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ABSTRACT

An effective and comprehensive guide to possible field trips for Nassau County (New York) elementary and secondary students covers places of interest in Nassau and Suffolk counties and in New York City. Recognizing that field trips can have great importance in the learning process, especially if they are directly related to the curriculum, the compilers have drawn the guide up along major curriculum lines--language and communication arts, science, social studies, fine arts. It includes many career exploration trips, sections on environmental and outdoor education and health. The guide is divided into elementary and secondary sections; major curriculum areas are subdivided first by locality and then by minor curriculum areas. Each entry gives descriptive information, recommendations for grade level, advance preparation, group size, fees involved, time required, visiting times, and information regarding parking and other facilities. Photographs sketches, cross referencing, and an index facilitate use. The introduction and the teaching approaches given at the beginning of each section give information regarding planning, correlation with curriculum, use of additional media and materials in conjunction with the trips, and suggest some specific points to cover. School districts preparing a similar publication can refer to this outline. (JMB)

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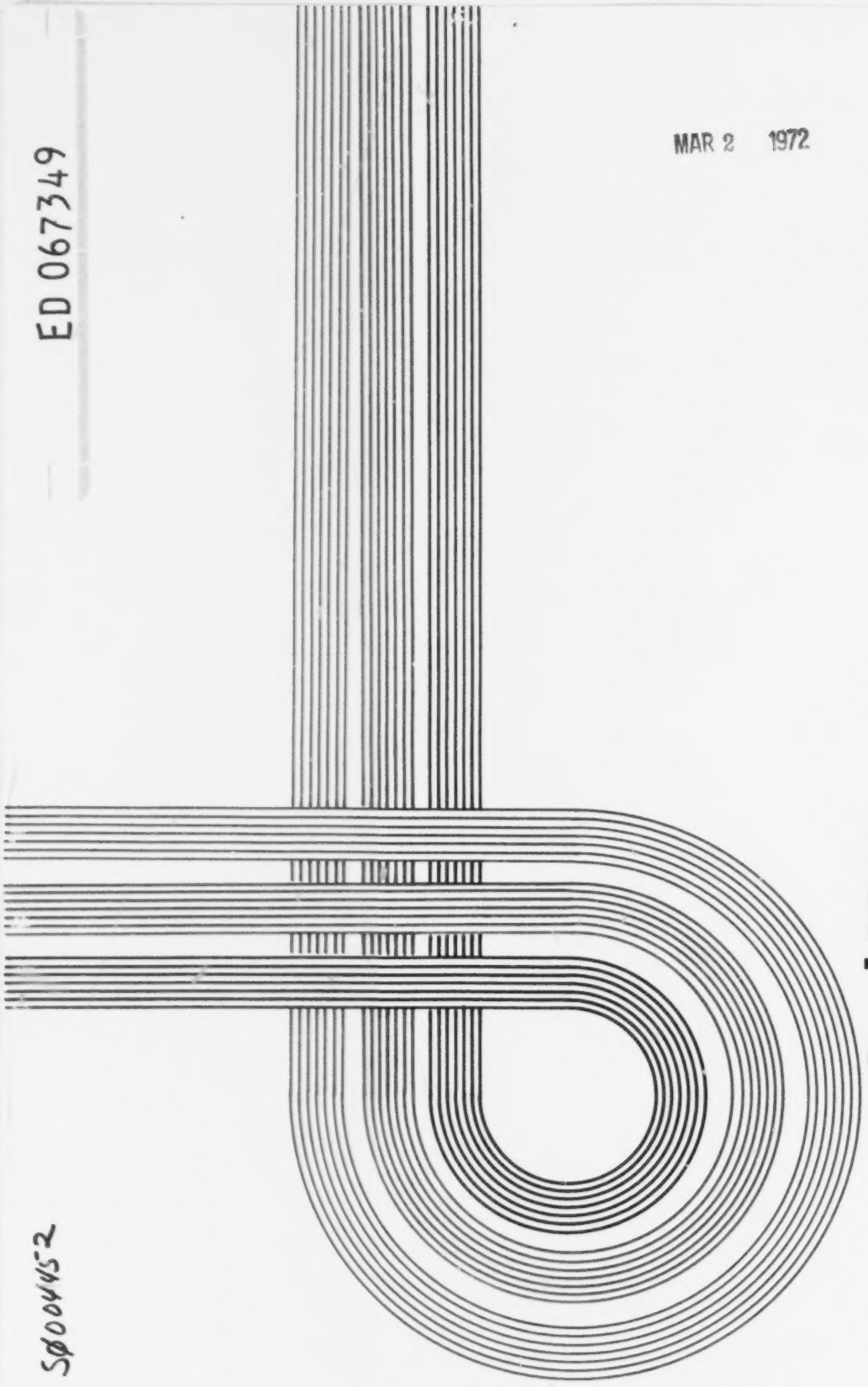

BOCES FIELD TRIP GUIDE

RESEARCH & DEVELOPMENT DIVISION • JERICHO, NEW YORK

ED 067349

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BOCES FIELD TRIP GUIDE

BOARD OF COOPERATIVE EDUCATIONAL SERVICES

RESEARCH & DEVELOPMENT DIVISION
NASSAU ESEA TITLE III REGIONAL CENTER

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INTRODUCTION

There are so many ingredients that go into planning and organizing a generalized Field Trip Guide beyond printing a list of familiar places that only a few school districts have been able to compile any sort of effective and comprehensive manual for school-sponsored journeys. Based on the requests of our Nassau County schools, the Research and Development Division of the Nassau Board of Cooperative Educational Services has undertaken to create this directory to serve all grade levels in our schools. More than a year's preparation went into this guide; however, all listings are current as of press time.

Field trips can have great importance in the learning process, especially if they are directly related to the curriculum. This guide, therefore, has been drawn up along major curriculum lines—language arts, communication arts, social studies, science, fine arts, and the like. It includes many career exploration trips, sections on environmental and outdoor education, and on health. It has extensive cross-references and includes levels, correlations, preparations, as well as sections on motivating students and establishing objectives.

Our thanks go to our advisory committee, members of the Long Island Education Communications Council:

Mr. Frank DeMarco, Valley Stream #30
Miss Justine Dosch, Glen Cove
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Mr. Frederick M. Lehman, Wantagh (retired)
Mr. G. Lawrence McCue, Valley Stream #24
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Mr. Edward Foster, Hewlett-Woodmere

Overall supervision, coordination and planning of this guide were done by Arlene B. Soifer, staff assistant, R & D Division, ably assisted by Carolyn S. Sanzone, who also drew the maps and sketches. Lilly Cohen handled much of the initial detail. Special acknowledgments go to the following BOCES personnel: Harry Thompson, director of Outdoor Education, for his assistance in the environmental section; Bert Wallace, supervisor of curriculum, for his assistance in the occupational section; and to R & D staff members Ava M. McGuire, coordinator, for social studies teaching approaches; Claire Rudin, coordinator of library services and Larry Sribnick, A.V. specialist, for the media section; and finally to Ken Hartlage, supervisor of the Technical Support Services Department and Margaret J. Reddy, information specialist, who assisted with production details.

Jack Tanzman
Director

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HOW TO USE THE BOCES FIELD TRIP GUIDE

The guide is divided into two major sections—Elementary, with trips recommended for grades K-6 and Secondary, grades 7-12. Pages in each section are color coded with light green strips for elementary and dark green for secondary. The color strips also indicate the beginning of the major curriculum areas. Major curriculum areas are subdivided first by locality—Nassau, Suffolk, New York City, and out-of-town—and then by minor curriculum areas. These are enumerated in the Table of Contents.

Trip Number
Trips are numbered E1 to E144 (elementary) and S1 to S95 (secondary) and these numbers are used as cross references and in the index. Page numbers are referred to only in the Table of Contents.

Indicated Grades
Grade restrictions were set by the host institution, not by BOCES.

Telephone Numbers
No area code indicates the 516 zone. In a few instances, out-of-town sites have Nassau County or New York City numbers to be called for reservations. Note telephone extensions listed under Arrangements and Procedures.

Index
The index is comprehensive, combining all elementary and secondary trips and including categories of sites.

Teaching Approaches
These have been prepared by specialists especially for this book in the following areas:

Environmental Education
Architecture
Fine Arts
Health
Social Studies

On page x there are comprehensive suggestions for media usage.

Cross References
These appear at the end of each section and indicate trips in the same subject area as the material preceding.

Maps and Related Trips
If the traveling time to a site exceeds visiting time by too great a ratio, consult the index for related trips or check the elementary or secondary maps for other limited-time visits that might be nearby.

Environment and Transportation
It is helpful to familiarize yourself with the route in advance so that you can point out to students observable community characteristics enroute. To assist teachers, a "Road Tour of Long Island" in the Environmental Education section, page 15, and a description of Nassau County architecture in the Arts and Communications section, page 57, have been included.

Supervision
Sufficient precautions should be taken to assure student decorum and safety, with particular note of conditions set by the host institution.

MEDIA AND FIELD TRIPS

Help from the Librarian

The field trip, like all other school activities, will enjoy an added dimension when the school library and its resources are made a part of the total educational experience. If you consult the school librarian early in the planning of your trip, she will be able to help you identify materials you will want to use and get them ready. In addition to instructional materials, many school libraries also have a file of people within the community whose knowledge, experience or talent can be tapped to enhance the learning experience.

As an example of the kind of assistance the librarian can provide, let us assume you are planning a visit to a museum. The librarian might offer one of several filmstrips such as:

What is a Museum?
The Egyptian Room
Ancient Greece and Rome
Knights in Armor
The Age of Exploration
Life in Colonial America

or for a visit to an art museum, a filmstrip set called *The Art of Seeing* which includes such titles as:

How to Use Your Eyes
Lines
Colors
Shapes
Space

A film such as *Museum Expedition—Africa to Exhibit* explains how museum exhibits are prepared. *Anacostia Museum in the Ghetto* describes how a museum enhances the lives of children in the community which it serves.

If your school has an instructional media center with graphics production facilities, perhaps a transparency and dittoes can be provided showing the students the location of exhibits that you want to emphasize. The A-V section below goes into further details.

After the trip many children will want to learn more about some of the things they have seen. The librarian can provide you with a bibliography that can be used for reinforcement or culminating activities. To continue the example, a listing of books available in the school library might include biographies of painters whose works were viewed, books about art history and "how-to" books describing techniques used in various art media.

The picture and pamphlet file might be culled for additional materials for bulletin boards and the community resource file might produce a sculptor or picture-frame artisan to add still more to the total experience.

Combining the field trip with the resources of your school library or media center and a resourceful school librarian, can produce real educational dividends.

Help from the A-V Coordinator

BEFORE

1. Make handout maps and/or overhead transparencies or use opaque projector to explain routes to be taken to facility to be visited.
2. Use materials sent by the facility in the same fashion.
3. Shoot slides before trip to give introduction to what they will see.
4. Search media for related materials.
5. Use films, filmstrips, audiotapes, etc., on topic to prepare class.

DURING

1. Use portable public address system on bus to point out landmarks, environmental conditions.
2. Shoot slides or black and white photos—try to include students.
3. Take cassette tape recorder to record sounds or interviews (student conducted, if possible).
4. Take cassette tape recorder to record possible ideas for follow-up activities.

5. Have students bring maps previously handed out, trace routes.
6. Develop a student camera crew, working in groups with each having an inexpensive camera to photograph material for a presentation when they return.

AFTER

1. Review, using slides taken before or during trip.
2. Review materials seen before trip.
3. Using slides and tapes prepared before and during trip, have class prepare a complete presentation for another group.
4. Create a filmstrip from the slides, which can be used before another class goes on the same field trip.
5. Prepare scrapbook of pamphlets and other printed matter gathered.

PERMISSION FORMS

Most districts have their own permission forms for field trips. These typically include the following:

- child's name
- site to be visited
- date of visit
- date, parent signature
- supplier of transportation
- mode of transportation
- group taking trip

In addition, parents should know how much money is needed for the bus, lunch, admission, and souvenir. Teachers might want to indicate if students are requested to bring cameras on a specific trip.

EVALUATION

(Use of this form is optional, but your observations are of interest to us. Please send your comments to **BOCES Field Trip Guide**, R & D Division.)

Trip =

Does trip suit variety of student interests?

What made the greatest impression on your students?

Can this trip be used for a curriculum area other than that indicated?

Is there anything about the site that makes it troublesome to visit?

I recommend the following changes in this site listing:

Describe any materials which you developed for use related to this trip:

Comments on the **BOCES Field Trip Guide:**

TEACHING APPROACHES

It is the responsibility of the museum to encourage people to observe and to have ideas about their observations. Youngsters should be encouraged to talk about their reaction to an exhibit, rather than be relegated to the role of mere spectator. Teachers and parents can add significantly to the museum experience by answering questions and asking them also.

Frequently, paintings are given a cursory glance then abandoned because subject matter is no longer in the realm of ordinary experience. We found that, when closer observation of a painting is encouraged, questions are raised that set the stage for an exchange of ideas that leads to greater enjoyment and understanding of a work of art.

With very young students a game of "Treasure Hunting" is most successful. Youngsters can be asked to locate a fishing boat, a dog, a waterfall, a grandfather's clock, a horse and wagon or seagulls in the paintings on display. The game becomes an exciting new experience in museum visiting and the students soon begin to look for "treasures" and experience the joy of discovery on their own.

Many paintings have basis in history, and although some of the historical facts relating to a painting may not be known to the students, a dialogue between teacher and student can produce imaginative thinking that can be further developed in a classroom setting perhaps as a follow-up subject or report.

More important for the youngster, however, is the opportunity to explore and express ideas. Museums hope to contribute to the education of the viewer, therefore, they encourage people not only to look, but to see; not only to wonder, but to question; not only to feel, but to respond. In these ways museums can provide an experience that will not only increase understanding in art but will broaden and enrich all areas of learning.

Prepared by Mrs. Harold Solomon
Assistant Director, Heckscher Museum, Huntington

NASSAU COUNTY FINE ARTS

E1 Emily Lowe Gallery, Hofstra University
Hempstead Turnpike
Hempstead 11550 560–3265

Changing art exhibitions; sculpture garden.

Indicated for grades 3–12.

Arrangements and Procedures:

Contact University Scheduling Office, in advance; 1 adult to 15 students; maximum of 15 persons may view exhibit at one time; no charge.

During academic calendar; daily; 10 am–5 pm; teachers should consult University for information on current exhibits; no guided tours.

Arrangements for bus parking, rest rooms, and eating facilities should be made through Scheduling Office.

E2 Firehouse Gallery, Nassau Community College
Stewart Avenue
Garden City 11530 742–0600

Changing art exhibits; painting; sculpture; crafts.

Indicated for grades 4–12.

Arrangements and Procedures:

Contact Art Department, in advance; 1 adult to 15 students; maximum 50 students; no charge.

September–June; daily; 1 pm–5 pm; gallery may be visited by appointment only in the morning; visit takes 60 minutes; no guided tour; specialists.

Bus parking; rest rooms; eating facilities on campus.

See also local newspaper listings of exhibits and art shows; Old Westbury Gardens E53

COMMUNICATIONS

E3 Channel 21
Ellington Avenue West
Garden City 11530 248–2140

Tour of transmitting facilities of an educational television broadcast station; students have a chance to see themselves on camera.

Indicated for grades 4–12.

Arrangements and Procedures:

Contact Community Relations Department, in advance; maximum 18 students with adult supervision; no charge.

Visit must be made when station is not transmitting; discuss time of visit when making appointment; guided tour takes about 30 minutes.

City parking; rest rooms; no eating facilities.

E4 East Nassau–BOCES TV Cluster
Plainedge High School, Wyngate Drive
North Massapequa 11758 735–8100

Television transmission and studio facility (2500 megahertz) which transmits instructional television programs to 5 school district cluster members of BOCES; teachers should have students in groups of 5, prepare 2- to 3-minute skits; 3 or 4 skits will be taped and played back to the visiting class.

Indicated for grades 1–6.

Arrangements and Procedures:

Contact Mr. Levy, ext. 274, 3 weeks in advance; maximum 30 students with teacher; no charge.

September–June; daily; 9:30 am–3 pm; visit takes 45 minutes; guided tour; specialists.

Bus parking; rest rooms; no eating facilities.

E5 Newsday, Inc.
550 Stewart Avenue
Garden City 11530 741–1234

Tour of newsroom; composing room; foundry (stereotype) department; press room; reel room.

Indicated for grades 5–12.

Arrangements and Procedures:

Contact Community Relations Department, ext. 514, 3–4 months in advance; 1 adult to 8 students; maximum 30 students; no charge.

Year-round; Monday–Friday; visits by appointment only; visit takes 60–90 minutes; guided tours; specialists; pamphlets.

Parking; rest rooms; no eating facilities.

E6 WHLI AM and FM Radio Station
384 Clinton Street
Hempstead 11550 481–8000

Tour of radio broadcast facilities; control room, studios, newsroom.

Indicated for grades 3–12.

Arrangements and Procedures:

Contact Public Affairs Office, 2 weeks in advance; maximum 30 students with adult supervision; no charge.

Year-round; weekdays; 9:30 am–4:30 pm; visit takes 60 minutes; guided tour; specialists.

Bus parking; rest rooms; no eating facilities.

New York Institute of Technology

SUFFOLK COUNTY FINE ARTS

E7 Heckscher Museum
Prime Avenue
Huntington 11743 271–4440

Art museum; American and European paintings.

Indicated for grades 3–12.

Arrangements and Procedures:

Contact 1 week in advance; 1 adult to 12 students; maximum 25 students; no charge.

Year-round; Tuesday–Saturday; 10 am–5 pm; Sunday 2 pm–5 pm; visit takes 30–90 minutes; guided tour upon request; teaching materials.

Street parking; rest rooms; no eating facilities.

E8 Parrish Art Museum
25 Jobs Lane
Southampton 11968 283–2118

Collections range from Renaissance to contemporary art; special exhibits and demonstrations geared to students; aboretum; sculpture garden.

Indicated for grades K–12.

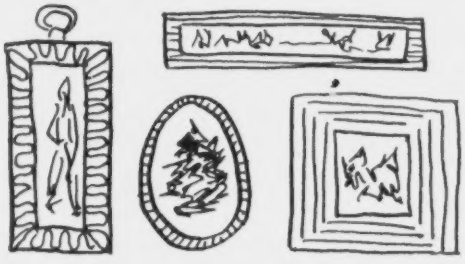
Arrangements and Procedures:

Contact 10 days in advance; 1 adult to 15 students; maximum 60 students; no charge.

October–April; Wednesday–Saturday; 10 am–4:15 pm; May–September; Monday–Saturday; 10 am–4:45 pm; visit takes 60 minutes; guided tour; films; demonstration; specialists.

Bus parking; rest rooms; students may bring lunches and eat outdoors or in library.

See also local newspaper listings of exhibits and art shows; Vanderbilt Museum E105



LANGUAGE ARTS

E9 Walt Whitman House
246 Walt Whitman Road
Huntington Station 11746 427–5240

Birthplace of poet Walt Whitman; early 1800 farmhouse.

Indicated for grades 3–12.

Arrangements and Procedures:

Contact 2–3 weeks in advance; 1 adult to 8 students; maximum 30 students (only about 18 can be accommodated in the house at one time); no charge.

Year-round; daily; 10 am–4 pm; school tours preferred Monday–Wednesday; visit takes about 30 minutes; no guided tours but personnel available to answer questions.

Bus parking; no rest rooms; no eating facilities; Superintendent's residence and barn off limits.

See also Educational Development Laboratories S34

NEW YORK CITY FINE ARTS

E10 Brooklyn Museum
188 Eastern Parkway
Brooklyn 11238 212–638–5000

Comprehensive museum containing art objects and paintings relating to the cultures of the Americas, Asia, the Orient and the Middle East; sculpture garden; period rooms; special exhibitions and permanent collections.

Indicated for grades 3–12.

Arrangements and Procedures:

Contact Secretary to the Education Division, for lecture demonstration, early in the school year; 1 adult to 10 students; maximum 35 students; no charge.

Year-round; Monday–Saturday; 10 am–5 pm; lecture demonstrations are geared to class age level and take 75–90 minutes; specialists; pamphlets.

Bus parking; rest rooms; reservations for eating facilities must be made in advance.

E11 Solomon R. Guggenheim Museum
1071 Fifth Avenue
New York 10028 212–369–5110

Changing exhibits of contemporary painting; drawing; sculpture; the Museum building, designed by Frank Lloyd Wright, is an architectural landmark.

Indicated for grades 3–12.

Arrangements and Procedures:

Contact 1 month in advance; 1 adult to 10 students; no limitation on size of groups; 25¢ per person for school groups of 10 or more.

Year-round; daily except Monday; 10 am–6 pm; visits average 2 hours; no guided tour; pamphlets.

City parking; rest rooms; no eating facilities.

E12 Jacques Marchais Center of Tibetan Arts
336 Lighthouse Avenue
Staten Island 10306 212–351–3280

Tibetan and Buddhist art; general Oriental art collections; garden.

Indicated for grades 5–12.

Arrangements and Procedures:

Contact in advance; 1 adult to 15 students; maximum 60 students; no charge.

April–October; Tuesday–Friday; 2 pm–5 pm; group visits scheduled only at 10 am; visit takes 2 hours; no guided tour.

City parking; rest rooms; lunch may be eaten in garden in favorable weather.

Guggenheim Museum

E13 Kodak Gallery
1133 Avenue of the Americas
New York 10036 212–262–6170

Changing exhibits and educational displays; graphics; photography; films.

Indicated for grades 5–12.

Arrangements and Procedures:

No advance notice necessary; sufficient adult supervision; no limit on group size; no charge.

Year-round; Monday–Saturday; 10:30 am–5:30 pm; visit to exhibits takes 45 minutes; films take 50 minutes; no guided tour; specialists.

City parking; limited rest rooms; no eating facilities.

E14 Metropolitan Museum of Art (including the Junior Museum)
Fifth Avenue and 82nd Street
New York 10028 212–879–5500

Painting, sculpture and decorative arts of the ancient world, the Near and Far East, Europe and the United States; the Junior Museum is a center for children with its own exhibition galleries; guided tours and special student programs; special exhibitions and permanent collections.

Indicated for grades 5–12.

Arrangements and Procedures:

For grades 5–9, contact 3–4 months in advance for guided tour, 3–6 weeks in advance for nonguided visit; for grades 10–12, contact 3–6 weeks in advance for guided or nonguided visit; call ext. 308, for gallery visit and ext. 425, for visits to Special Exhibitions; 1 adult to 20 students; maximum 40 students (35 maximum in the American Wing); $10. for guided tour for grades 5–9; $15. for guided tour for grades 10–12; $10. for visit to Special Exhibitions; no charge for visits to permanent collections by unguided groups. *Note:* Conference between teacher and museum staff member required for guided tours; each class limited to one gallery tour per year; each school to six per year.

Year-round; Monday–Friday; 10 am–5 pm; unguided groups allowed only after 1 pm on weekdays; visits average 2 hours; guided tour; specialists; pamphlets.

Bus parking, $2. per bus for first 2 hours; rest rooms; grades 5–9 may bring lunches and eat in Junior Museum snack bar.

E15 New York Cultural Center
2 Columbus Circle
New York 10019 212–581–2311

General art museum; sponsored in association with Fairleigh Dickinson University; features changing exhibits in all media, including photography; informational shows; films.

Indicated for grades 4–12.

Arrangements and Procedures:

Contact Public Relations Department, 2 weeks in advance; 1 adult to 10 students; no maximum group size; 25¢ per student for school groups.

Year-round; Tuesday–Sunday; 11 am–8 pm; guided tours.

City parking; rest rooms; no eating facilities.

E16 Whitney Museum of American Art
945 Madison Avenue
New York 10021 212–249–4100

American 20th-century and historic painting; sculpture; prints; housed in a striking modern building.

Indicated for grades K–12.

Arrangements and Procedures:

Contact Tour Department, 2 weeks in advance; 1 adult to 10 students (museum can provide supervising adults); preferred maximum 25 students; larger groups can be accommodated; group admission rate 50¢ per person; guided tour $25. for a guide accompanying a group of 25 for 1 hour.

Year-round; weekdays; 11:30 am–4:30 pm; guided tour takes 60 minutes; specialists; pamphlets.

City parking; rest rooms; restaurant (minimum 75¢, reservations for groups requested); no box lunches permitted.

See also metropolitan area newspaper listings of current exhibits and art shows; Asia House Gallery of the Asia Society E132; The Cloisters E135; Hispanic Society of America E136; Jewish Museum E137; New York Historical Society E138; Studio Museum in Harlem E120; Museum of Primitive Art S93

COMMUNICATIONS

E17 Long Island Press
92–24 168th Street
Jamaica 11433 212–658–1234

Tour of newspaper production facility.

Indicated for grades 4–8.

Arrangements and Procedures:

Contact ext. 448, 1 week in advance; maximum group of 35 students with adult supervision; no charge.

Year-round; Monday–Friday; tours at 11 am–12 noon or 1 pm; guided tour takes 60 minutes; specialists.

City parking; rest rooms; no eating facilities.

E18 National Broadcasting Company (NBC)
30 Rockefeller Plaza
New York 10020 212–247–8300

Behind-the-scenes television and radio tour includes color studios; newsroom; TV master control; videotape room; NBC Radio Central; sound effects demonstration; closed-circuit television.

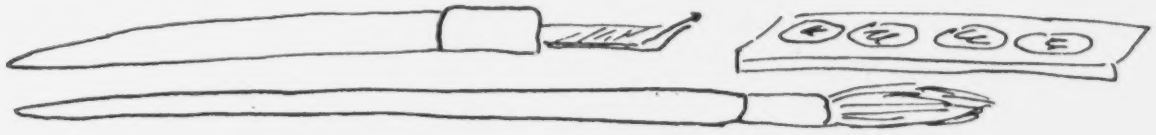
Indicated for grades 3–12.

Arrangements and Procedures:

Contact 1 month in advance; no maximum group size; 1 adult to 25 students; grades 3–8, 95¢ per student; grades 9–12, $1.55 per student.

Year-round; daily; 9 am–7 pm; guided tour takes 60 minutes.

Bus parking on 50th Street; rest rooms cost 10¢ per person; no eating facilities.



E19 WCBS–TV
530 West 57th Street
New York 10019 212–765–4321

Tour of television facilities, including production, scenic design, etc.

Indicated for grades 5–12.

Arrangements and Procedures:

Call Coordinator of Community Relations, ext. 5483, 2 weeks in advance; 1 adult to 10 students; maximum 30 students; no charge.

Year-round; Monday, Wednesday, and Friday; 10 am–4 pm; visit takes 60 minutes; guided tour.

City parking; rest rooms; no eating facilities.

LANGUAGE ARTS

Trips for foreign language classes

Teachers of foreign languages can find a variety of field trip sources in the New York City area; cultural museums (see **World Culture** listings in **Social Studies** section); the United Nations offices; restaurants; foreign language bookstores; travel offices. Frequently, performances are given by groups representing a diversity of foreign cultures (check newspaper listings). In addition, many foreign governments have representative offices in Manhattan. These offices may be called embassy, consulate, legation, tourist bureau, mission, or information office. Each can be consulted individually about visits by students. The Manhattan telephone directories can be used to locate these resources.

PERFORMING ARTS

E20 Brooklyn Academy of Music
30 Lafayette Avenue
Brooklyn 11217 212–783–6700

Live performances scheduled in the morning for elementary and junior high school students; comedy, drama, music, dance, magic and puppetry; Black culture programs; high school students can get reduced-price tickets to regular performances; some morning programs for grades 9–12.

Indicated for grades 2–12.

Arrangements and Procedures:

Contact Mrs. Rosendorn, early in the school year; adult supervision; no limit on group size; tickets for elementary and junior high school programs, 50¢ per person.

Morning programs scheduled at 10 am; programs take about 60 minutes.

City parking; rest rooms; no eating facilities.

E21 Library and Museum of the Performing Arts at Lincoln Center
111 Amsterdam Avenue
New York 10023 212–799–2200

Exhibits on music, dance, drama; children's library; research library; grades 3–7 given a tour of the children's library and offered a program of stories, record-book talks or films; grades 8–12 tour the library and focus attention on music, drama and dance exhibitions; may be included in trip to Lincoln Center.

Indicated for grades 3–12.

Arrangements and Procedures:

Contact in the fall for reservations for elementary level groups, about 2 weeks in advance for secondary level groups; 1 adult to 15 students; maximum 35 students; no charge.

Year-round; Monday–Saturday; 10 am–9 pm; student tours scheduled only on weekday mornings; visit takes about 60 minutes; guided tour; specialists; pamphlets.

Bus parking; rest rooms; no eating facilities.

E22 Lincoln Center for the Performing Arts
1865 Broadway
New York 10023 212–765–5100

Tour includes Philharmonic Hall, the New York State Theater, the Vivian Beaumont Theater and the Metropolitan Opera House.

Indicated for grades 3–12.

Arrangements and Procedures:

Contact Director of Visitor's Services, 212–874–4010, well in advance; 1 adult to 20 students; large groups accommodated but students split into groups of 20 for tour; 85¢ per student, $1.85 per adult; 1 teacher admitted free for every 20 students.

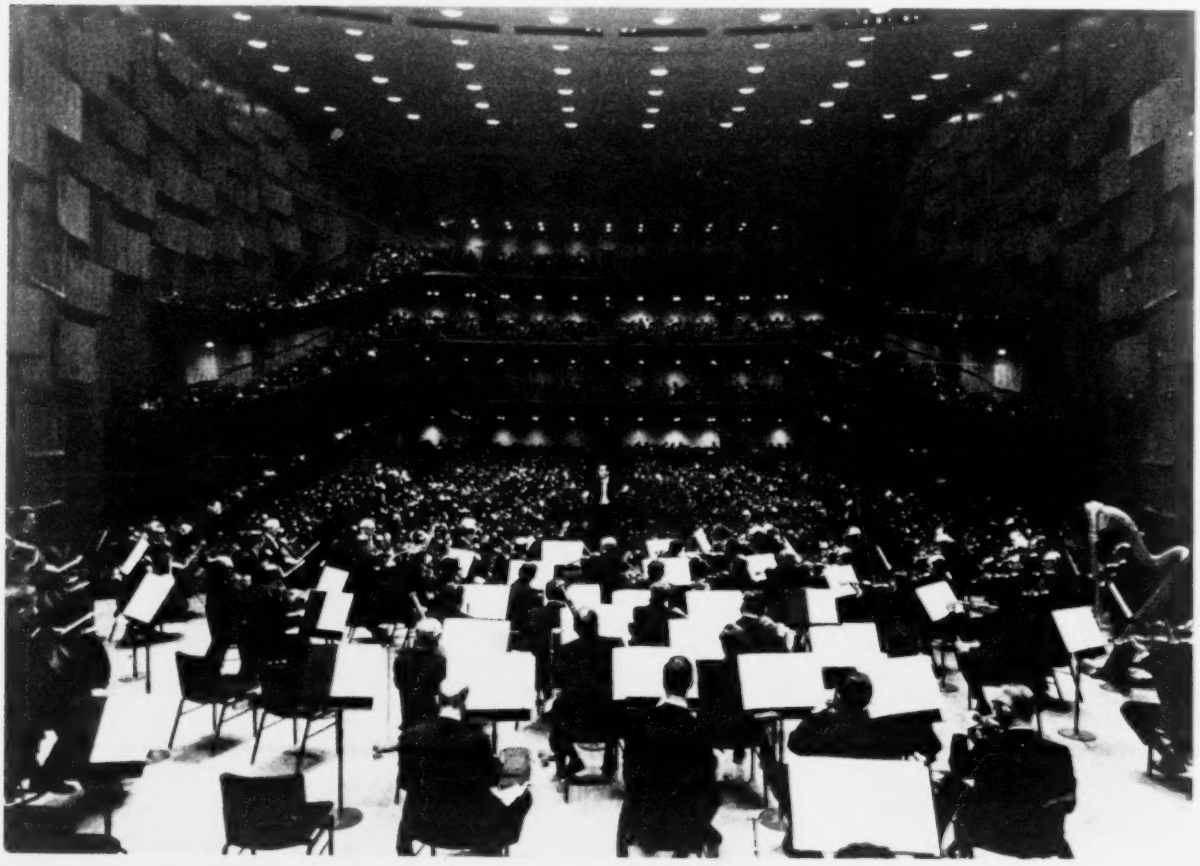
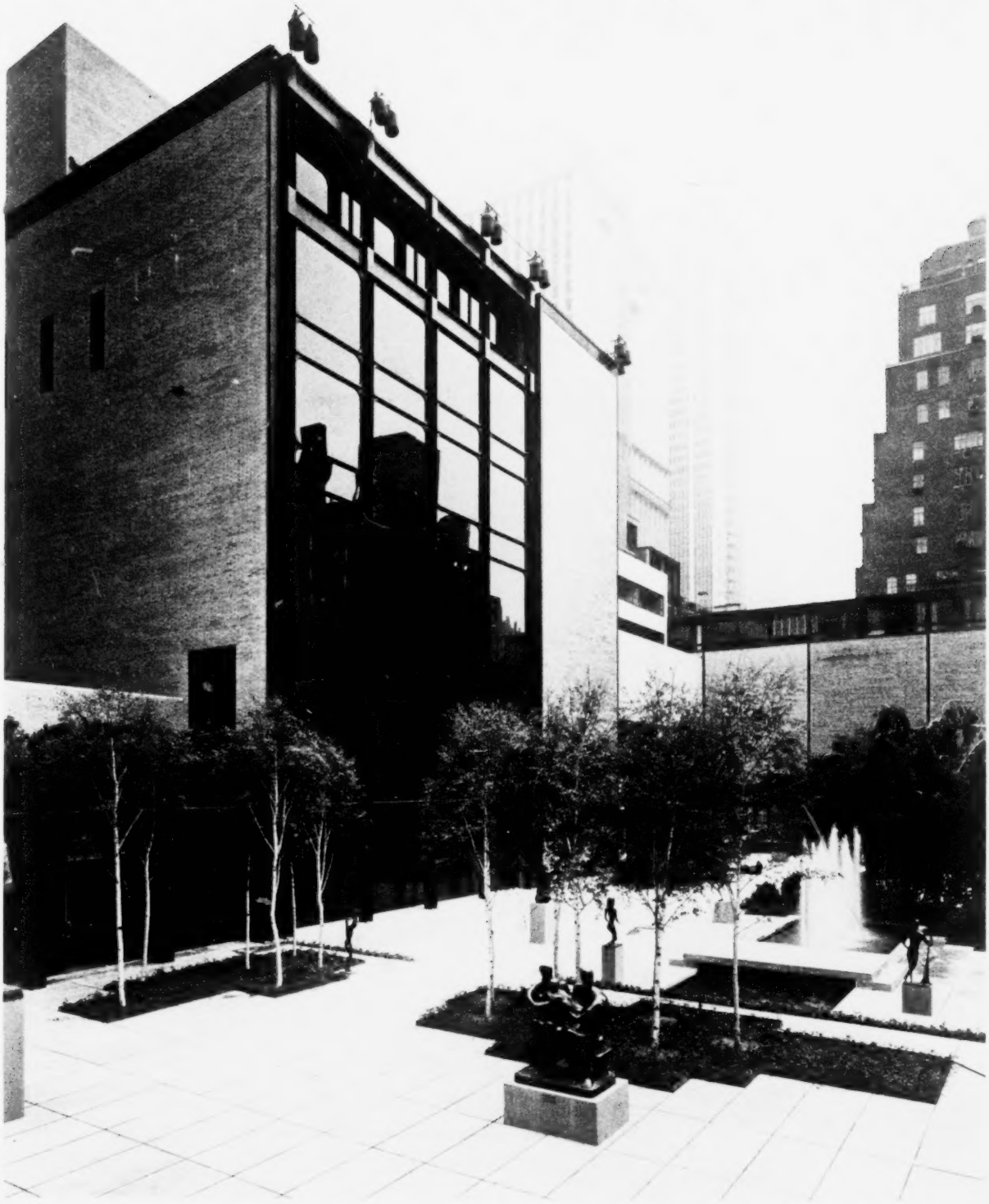
Year-round; daily; 10 am–5 pm; guided tour takes 75 minutes; specialists; pamphlets.

Bus parking; rest rooms; eating facilities available for students bringing lunch if advance notice given.

See also Live Performances at Lincoln Center S15

OUT OF TOWN FINE ARTS

See Hudson River Museum and Andrus Space Transit Planetarium E81

© Lincoln Center for the Performing Arts. Photograph: Sandor Acs



Museum of Modern Art. Photograph: Alex Georges

NASSAU COUNTY

E23 BOCES Occupational Schools

Nearly 50 occupational training courses are given by the schools operated by the Nassau County Board of Cooperative Educational Services. A visit to any of the schools offers an opportunity to see high school students working with a variety of sophisticated equipment and learning practical skills in a hands-on training program.

Arrangements to visit the schools can be made by contacting the individual building principals in advance. Students should be in grades 4–12; 1 adult to 10 students; maximum 30 students. Most schools can be visited in both the morning, 9 am–10:30 am, or afternoon, 1 pm–2:30 pm, sessions. Some courses are given only at one of these times, as indicated below.

Parking; rest rooms; no eating facilities.

County Center
1196 Prospect Avenue
Westbury 11590 997–8400
Mr. Arthur Side, Principal

AM
Automatic Heating
Electro Mechanical Design
Major Appliance Repair
Radio & T.V. Service

PM
Banking
Computer Operations
Floral Design
Metal Fabrication
Multi-Occupational Exploration
Small Engine Repair
Transportation Customer Service

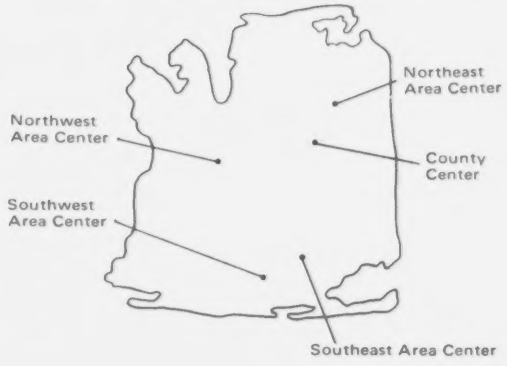
AM and PM
Aircraft Maintenance
Animal Care
Architectural Drafting
Baking
Building Mechanics
Carpentry
Child Care
Classical Cuisine
Clothing Services
Commercial Food Prep. and Food Services
Commercial Photography
Computer Operations
Dental Assistant
Diesel Engine Mechanics
Distributive Education (Special)
Fashion Design
Health Careers
Industrial Electronics
Machine Shop
Offset Printing
Ornamental Horticulture
Trade Electricity
Technical Electronics

Northeast Area Center
239 Cold Spring Harbor Road
Syosset 11791 364–1300
Mr. Glyn H. Evans, Principal

PM*
Architectural Drafting
Commercial Art
Health Services
Industrial Electronics
Medical Assisting
Offset Printing
Practical Nursing
Radio & T.V. Service
Refrigeration & Air Conditioning

AM and PM
Auto Mechanics
Beauty Shop Management
Cosmetology
Data Processing
Hairstyling

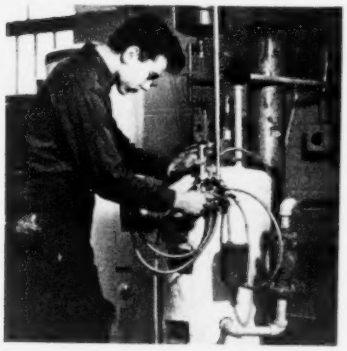
LOCATION OF
AREA OCCUPATIONAL EDUCATION CENTERS

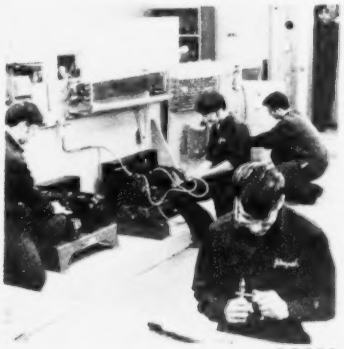


Northwest Area Center
393 Jericho Turnpike
Mineola 11501 742–5300
Mr. Gerald Maystrik, Principal

AM
Health Services
PM*
Computer Operations
Medical Assisting
Practical Nursing
AM and PM
Auto Body Repair
Auto Mechanics
Beauty Shop Management
Commercial Art
Cosmetology
Data Processing
Hairstyling
Refrigeration & Air Conditioning

*Afternoon sessions offer a greater opportunity to see advanced hands-on teaching approaches; introductory level classroom sessions are generally held in the morning and therefore are not listed.





BOCES

Southeast Area Center
2475 Charles Court
North Bellmore 11710 221–9500
Dr. John Mulski, Principal

PM*
Auto Body Repair
Beauty Shop Management
Commercial Art
Data Processing
Industrial Electronics
Radio & T.V. Service
Refrigeration & Air Conditioning
AM and PM
Auto Mechanics
Computer Operations
Cosmetology
Hairstyling
Health Services
Practical Nursing

*Afternoon sessions offer a greater opportunity to see advanced hands-on teaching approaches; introductory level classroom sessions are generally held in the morning and therefore are not listed.

Southwest Area Center
10 Henry Street
Freeport 11520 868–7900
Mr. V. Frank Blasio, Principal

PM*
Auto Body Repair
Beauty Shop Management
Carpentry
Commercial Art
Commercial Food Prep. and Food Services
Data Processing
Dental Assisting
Hairstyling
Industrial Electronics
Marine Maintenance
Medical Assisting
Radio & T.V. Service
AM and PM
Auto Mechanics
Computer Operations
Cosmetology
Data Processing
Health Services
Practical Nursing

*Afternoon sessions offer a greater opportunity to see advanced hands-on teaching approaches; introductory level classroom sessions are generally held in the morning and therefore are not listed.

E24 Franklin National Bank, Roosevelt Field Branch
600 Old Country Road
Garden City 11530 333–9000

Commercial banking facility; introduction to various departments and operations; tour of offices and vault area.

Indicated for grades 4–10.

Arrangements and Procedures:

Contact Community Relations Department, 2 weeks in advance; 1 adult to 15 students; maximum 30 students; no charge.

Year-round; weekdays; mornings; guided tour geared to group age level takes 30–60 minutes; pamphlets.

Parking; rest rooms; no eating facilities.

E25 Pep-Com Industries Inc.
East Gate Boulevard
Garden City 11530 741–8300

Tour of Pepsi-Cola bottling plant; students will see complete bottling process and be given a sample of soda.

Indicated for grades 1–6.

Arrangements and Procedures:

Contact 6 weeks in advance; maximum 25 students with at least 3 adults; no charge.

Year-round; tours only on Friday; 9:45 am–11 am; visit takes 30 minutes; guided tour.

Parking; rest rooms; no eating facilities.

E26 Roosevelt Field Shopping Center
Garden City 11530 742–8000

112-acre, totally enclosed prototype of retail complex, with 125 tenants including major department stores, small shops, banks; adjacent to industrial park.

Indicated for grades 5–12.

Arrangements and Procedures:

Contact Public Relations Department, 4 weeks in advance; adequate supervision; maximum 45 students; no charge.

Year-round; weekdays; 10:30 am–4 pm; guided tour geared for group age level takes 30–60 minutes; pamphlets.

Parking; rest rooms; restaurants.

SUFFOLK COUNTY

E27 Security National Bank
375 New York Avenue
Huntington 11743 423–7100

Commercial bank with 15 branches on Long Island.

Indicated for grades 4–12.

Arrangements and Procedures:

Contact either Public Relations Department at the main office as listed above, or individual branches, 1 month in advance; 1 adult to 8 students; maximum 25 students; no charge.

Year-round; weekdays; guided tour takes 30–40 minutes.

Parking; rest rooms; no eating facilities.

NEW YORK CITY

E28 Burlington Industries
1345 Avenue of the Americas
New York 10019 212–333–3622

Tour of The Mill at Burlington House, a dramatic multi-media presentation on a moving walkway about how fibers are transformed into fabrics.

Indicated for grades 5–12.

Arrangements and Procedures:

Contact Reservations Office, 2 weeks in advance; no particular group size or chaperone requirements; no charge.

Year-round; weekdays; 10 am–11:30 am and 2 pm–7 pm; guided tour is geared to group age level and takes 30–60 minutes; pamphlets.

City parking; no rest rooms; no eating facilities.

The Mill

E29 United States Coast Guard Base
Governor's Island
New York 10004 212–264–3780

Operational 6000-acre Coast Guard base reached by ferry; 5 historical sites including old fort; search and sea rescue operation; electronic monitoring; tour of ships when possible.

Indicated for grades 4–12.

Arrangements and Procedures:

Write to Commanding Officer, as far in advance as possible, with suggested date and alternate date; 1 adult to 10 students; maximum 50 students; no charge.

May–September; weekdays; guided outdoor walking tour takes 1½–2 hours.

Parking; rest rooms; cafeteria.

See also American Stock Exchange E127; Kennedy International Airport E131

OUT OF TOWN

E30 General Motors Assembly Division
Beekman Avenue
North Tarrytown 10591 914–631–6000

Tour of Chevrolet assembly operation from frame to completed automobile, conducted on tour train.

Indicated for grades 3–12.

Arrangements and Procedures:

Contact 3 weeks in advance; 1 adult to 11 students; maximum 45 students; no charge.

October–June; weekdays; 9:30 am and 1:30 pm; guided tour takes 90 minutes; pamphlets.

Parking; rest rooms; no eating facilities.

Courtesy of The Port of New York Authority

TEACHING APPROACHES

Environmental Education on Long Island

Long Islanders are fortunate in having a great variety of environmental resources close at hand. The natural environment is enriched by land features left by the last continental glacier and modified by the interaction of land, air, and sea. Natural communities include bays and estuaries; salt and fresh water marshes; ponds, lakes, and streams; meadows and fields and woodlands. Past cultures are represented by archeological and historical resources on Long Island, as well as the whole range of social, political, economic, and cultural resources of modern society. The "environmental" approach, therefore, seems an especially appropriate teaching strategy on Long Island.

One strategy, which enables teachers to emphasize environmental considerations, is to leave the classroom and utilize the learning resources of the total environment. Such outings may range from activities taking place in the schoolyard or nearby community facilities, through trips and visits of relatively short duration, to overnight and residential experiences. The outing should not be something separate from the classroom, rather, it should be an extension of the classroom where children may come into contact with, and directly experience, the objects of their study. Notice should be made of transportation and pollution; urban or suburban problems—housing, services, recreation; community planning; the "inner city."

In the broadest sense, all education is environmental. In a stricter sense, environmental education should lead to, at least, an understanding and appreciation of natural processes, the interdependence among all living things and their environment, and man's relationship to his total environment. An important outcome should be the development of appropriate attitudes toward the total environment. Schools in which all teachers continually draw upon the environment can be expected to produce graduates with the understanding and sensitivity to act more rationally toward the environment than past generations.

A Statement on the Field Collection of Natural Specimens

A cardinal rule of outdoor education is to leave all naturally occurring phenomena in place so that others may also observe and learn. While the field collection of natural specimens for laboratory study is an essential aspect of scientific inquiry, such activity on the part of individuals or school groups should be discouraged. One of the desired outcomes of outdoor education is the development of respect and appreciation for the natural environment and the need to conserve it. The purpose of going into the field rather than the laboratory is to study real things in their natural environment. Therefore, every effort should be made to study living specimens in the field and return them unharmed to the place where they were found. The same holds true for non-living specimens of scarce natural resources.

Where it is educationally desirable to be able to study a specimen again after returning to the classroom, a photographic record taken during the field trip is often quite satisfactory. Indeed, the development and practice of the skills involved in nature photography can be a rewarding educational experience in its own right. Some specimens may be collected in season with little or no damage to the natural environment. For instance, samples of fallen leaves, seeds, and other fruits may be collected in autumn. Small samples of pollen, water and soil may also be gathered discriminately for later analysis. Nonetheless, even in these cases, the educational value of the specimen must warrant its collection. Only very small amounts of such specimens, just sufficient for the intended use, should be collected by only one or two individuals. It is neither necessary nor acceptable practice for all members of the group to collect samples. The field trip is intended as an investigation of nature, not as a souvenir hunt.

BOCES

Sample Activities for Investigating a Fresh Water Environment

Introduction

Small bodies of fresh water are variously called ponds or lakes. Strictly speaking, a pond is a body of water which is shallow enough to have rooted plants growing even in its deepest parts. Consequently, a pond is sufficiently shallow so that light can penetrate to the bottom in all areas. There is little or no wave action in a pond, so the bottom is usually thickly covered with mud. Because a pond is so shallow, temperature and oxygen content of the water often vary considerably over a 24-hour period.

Many ponds dry up over the summer, particularly if they are fed by runoff streams or if they are dependent upon rainfall.

Ponds may form in a variety of ways. They may form as a glacier retreats from an area, either in a pot-hole or a kettle-hole which becomes filled with water. They may form where a stream bed widens, particularly if a beaver has dammed up a portion of the stream. There are also farm ponds or artificial ponds which have been either dug out in a naturally low-lying area and fed by runoff, or formed by cutting off a stream with a dam.

There are specific vegetation zones which can be identified in a typical pond. Running from the forest edge to the pond center these can be described as:

(a) forest zone; (b) shrub zone; (c) emergent plant zone; (d) floating plant zone; (e) submerged plant zone.

In addition to the various vegetation zones, at least three different habitats can be identified:

(a) the environment at the pond surface, (b) the swimming environment, and (c) the bottom environment.

Different life forms will be found adapted to and living in the different habitats.

Educational Objectives

1. To develop some understanding of the complex interrelationships of organisms in their environments
2. To develop skill in solving problems in field work
3. To instill confidence in working with each other in the out-of-doors
4. To measure and report data

Materials and Equipment

sieve(s)
plankton net(s)
enamel pan(s)
jars, bottles, etc. (plastic won't slip out of wet hands and break)
insect net
hip boots
forceps
keys, field guides
insect killing jars
hand lenses
glass-bottomed bucket
pipettes

Students should dress appropriately for the season and weather conditions. Rubber boots are recommended. Each student should also have a small notebook and pencils handy.

Procedures and Activities

Following is a list of possible investigatory activities which can be carried out at the pond. The number of activities utilized is, of course, at the discretion of the teacher and would depend upon the sophistication of the group and the available time. This list is not intended to be all-inclusive; it is assumed that the teacher involved may wish to add some of his or her own activities and/or omit some of these.

A. The physical characteristics of the pond should be determined first. Some problems to be considered here:
   1. Currents and turbidity
      Is the water clear?
      Is the bottom of the pond visible? If it is, what is it composed of?
   2. Can light penetrate to the bottom in all areas of the pond?
   3. Size of pond
      a. Depth
         (1) at edge
         (2) in center
      b. Calculate average depth
      c. Width—circumference
         (1) calculate size
         (2) calculate volume
   4. Is the oxygen content of the water constant?
   5. Is the water temperature constant? Why do you think its temperature would vary?

BOCES

B. Vegetation zones
   1. Are all possible zones present?
   2. Identify zones
   3. Map zones

C. Living things
   What living things can you identify? Identify as many plants and animals as you can, using the keys provided.
   What zones were the organisms found in?
   Living organisms should be returned to the ecosystem whenever possible. Observations should be made on such large animals as frogs and turtles when they are alive; these can then be returned to the pond. Samples may be taken of insects and plants if desired.

D. Adaptations
   What adaptations can you see, if any, that plants and animals have to their particular habitat?

E. Microscope study back in the classroom
   1. Observe pond water under microscope
   2. Try to identify as many plants and animals as you can
   3. A stereoscope is good for observing larger specimens more closely

F. Food webs
   1. Which organisms are the food-producers (primary-producers, photosynthesizers)
   2. What do the organisms you found feed upon?
   3. Try to work out a food web for this pond
   4. What would happen if one member of this web were removed?

G. Conservation
   1. What evidences can you find of our interference in the food web (in the natural activities of the pond)?
   2. What can we do about it?

Highways to the Geology of Long Island—A Road Tour

BEGIN YOUR TOUR BY TAKING THE LONG ISLAND EXPRESSWAY EASTBOUND FROM LAKEVILLE ROAD.

1. This section of the Expressway, downhill toward New Hyde Park Road, is the *Harbor Hill terminal moraine*. The low spot you cross is the southern end of the *Manhasset Valley outwash channel* through which meltwater streams from the Harbor Hill glacier drained southward.
2. After crossing this old drainage channel, you cross the extreme western exposure of the *Ronkonkoma terminal moraine*, which is poorly defined at this point. The Ronkonkoma terminal moraine deposits are buried by the younger Harbor Hill moraine west of this point. The more rugged Harbor Hill moraine heads northeast toward Roslyn and can be seen as hills north of the Expressway.
3. After crossing the Ronkonkoma moraine, you drive onto the *pitted outwash plain* that occurs between the two moraines. The irregular nature of this area is due to numerous kettles (some with ponds) caused by the melting of buried ice blocks.
4. About one mile east of Guinea Woods Road, you start to climb as the road crosses Wheatley Hills. These hills are primarily composed of the *Mannetto gravel* covered by Ronkonkoma ground moraine deposits. The Mannetto gravel is believed to be a pre-glacial stream gravel deposit which is predominately iron-stained quartz pebbles.
5. Continuing east, the LIE crosses a fairly level terrain for several miles. This is the broad sandy *outwash plain* south of the Ronkonkoma terminal moraine, which now parallels the Expressway slightly to the north. The South Shore of Long Island is mainly composed of these outwash plain deposits.
6. Soon after the Expressway crosses Northern State Parkway (exit 42), the road gains elevation as you approach the Mannetto Hills. These hills were formed by a raised *Cretaceous core* covered by coarse Mannetto gravel. These hills pre-date the glacial period, and apparently were not completely covered with ice.
7. Approaching Route 110, the road declines rapidly as you leave the Mannetto Hills. To the south you have a good vista of the southern outwash plain.

EXIT THE LONG ISLAND EXPRESSWAY NORTHBOUND ONTO ROUTE 110. DRIVE APPROXIMATELY 4 MILES AND TURN LEFT (WEST) ONTO W. PULASKI ROAD (JUST SOUTH OF HUNTINGTON STATION).

8. During this trip, you pass through an *outwash channel* in the Ronkonkoma terminal moraine, but it is not evident due to the built-up nature of this area.
9. A good example of a flat outwash plain occurring between the two moraines is seen along W. Pulaski Road, west of Oakwood Road.

TURN RIGHT (NORTH) ONTO ROUTE 108 (HARBOR ROAD).

10. You are now passing through a deeply cut outwash channel through Harbor Hill terminal moraine. This channel was cut as meltwater poured southward from a lobe of ice melting in Cold Spring Harbor. Notice the long narrow fresh water lakes occupying this valley.

TURN LEFT (WEST) ONTO ROUTE 25A (NORTHERN BOULEVARD).

11. Notice to your right the *salt water marsh* occupying the end of Cold Spring Harbor. Marshes such as this are common in the shallow waters fringing bays and harbors.
12. As you leave Cold Spring Harbor Valley, going west, the road climbs into the rugged topography of the Harbor Hill moraine. You are on this terminal moraine until you cross Route 106 (Oyster Bay Road) at which point the terminal moraine swings south to parallel 25A.
13. The road is now crossing the less rugged ground moraine deposit north of the Harbor Hill terminal moraine.
14. After crossing Glen Cove Road, 25A starts to decline into Hempstead Harbor Valley. Like all North Shore bays, Hempstead Harbor is a former stream valley which was enlarged by the scouring action of the glacial ice. Notice the "fjord-like" appearance of Hempstead Harbor as you cross the Roslyn viaduct. Also, you can get an excellent view of the Harbor Hill terminal moraine immediately to the south surrounding the village of Roslyn. See, too, the salt marsh below the overpass.
15. 25A follows the Harbor Hill terminal moraine for about two miles until the road begins to decline into Manhasset Valley.
16. To the right, opposite Abraham & Straus, you can see a sandy hill which is a glacial *Kame* (ice contact delta) formed as sand-ladened streams poured from a lobe of ice which occupied Manhasset Valley. You also cross the Manhasset Valley outwash channel again as 25A crosses Community Drive.
17. 25A follows the *ground moraine* through Great Neck into Little Neck. The Harbor Hill terminal moraine is still to the south.
18. Remain on 25A west toward Springfield Boulevard. You cross the marsh-filled end of Little Neck Bay on this stretch of road.

TURN LEFT (SOUTH) ONTO SPRINGFIELD BOULEVARD. ENTER THE LONG ISLAND EXPRESSWAY GOING EASTBOUND.

19. As you pass over the Cross Island Parkway on the Expressway, you get an excellent view of the *outwash valley* at the end of Little Neck Bay.
20. East of the Cross Island Parkway, the LIE begins to climb the northern flank of the Harbor Hill terminal moraine. West of this point, the moraine continues southwest through Alley Pond Park and across Queens and Brooklyn, eventually, to cross at the Narrows onto Staten Island.

EXIT LONG ISLAND EXPRESSWAY AT LAKEVILLE ROAD FOR COMPLETION OF THE CIRCUIT

Prepared by the professional staff
of the Nassau County Museum of Natural History

Ocean Beaches

An ocean beach can be used as a place to observe the changes constantly taking place in the earth. On the beach, children can appreciate the effect of water and wind on sand. They learn that some plants and animals can live on a sand beach.

1. Let the children make their footprints in both dry and damp sand; later observe how these footprints change as the sand is dried by the sun and air, blown by the wind or washed by the water. Notice footprints left by other people or by animals, if there are any prints which have not been obliterated by water, wind, or raking.
2. Examine the "white" sand. What is sand made of? (Sand is broken-down rock.) Use a hand lens to notice that the grains are not all the same color. The red grains may be garnets. The clear grains are quartz. The black grains may be one of many minerals, depending on the type of rock from which the sand originated. A common black, flaky mineral is mica.
3. Dig a hole in dry sand, away from the water. Try to keep it full of water. Notice that this is impossible because of the porous nature of the sand.
4. Look for ripple marks. They are little ridges made by winds, waves, or currents moving over the sand. The ridges vary in height and width, depending on the velocity of the winds, waves or currents and the dampness of the sand. They look somewhat like ripples of water. If ripple marks are found, note that the colored grains of sand that form the tops of the ripples are different from those which form the troughs. The heavier red grains of garnet, which remain after the lighter grains of quartz have been blown away, form the tops.
5. Have the children decide, by using a streamer held aloft or by observing a flag, whether there is a land breeze or a sea breeze blowing over the beach. The breeze is named after the direction from which it comes.
6. Notice that the beach slopes down to the water. Generally, the more gradual the slope, the wider the beach.
7. Observe that the color of the sand near the water indicates the direction of the tide. If the sand is darker because it is damp above the water line, the tide is going out. If the sand is dry beyond the furthest advance of the nearest wave, it is an indication that the tide is coming in.
8. Examine the jetties, if any, built at intervals in some places to halt the movement of the sand, which is constantly shifting from east to west on most local beaches. It can be seen plainly that the sand on the east side of each jetty is higher than that on the west side. In some instances, rocks may have been set against a wooden jetty to give added strength. Rockweed may be growing on these rocks.

BOCES

9. Look for sand dunes which may be found where the beach has not been levelled for buildings or other purposes. These dunes have been formed when the wind, blowing across the beach, picks up and carries sand and then deposits it when the force of the wind is broken. Thus one side of a dune is often steeper. Sometimes enough loose sand is blown from one place to another to bury houses and trees. Find the beach grass (Amophillia) that may have been planted on a dune in an effort to prevent the wind from blowing the sand away. Look for snow fences which may have been put up to catch sand and start dunes.
10. Notice that in some places the entire area from ocean to bay may be composed of sand. In such places, the plantings seen in park areas and home gardens are growing in soil which has been carried in from some other place. Note that a few plants, like the beach grass (Amophillia), apparently can survive in sand, and that a wider variety of plants grows where even a small amount of humus has collected in the sand.
11. Have the children pick out a wave in the distance and follow it with their eyes until it crashes on the shore. Point out that this wave has probably been traveling for many miles to its destination.
12. Listen to the crashing of the breakers. Have children describe what they hear. As they are listening, have the children tell whether or not they can feel the sand shake underfoot when the waves crash.
13. Examine the little marks left on the sand by each succeeding wave as the tide goes out. Lightly etched ridges indicate the limit reached by the water as it rolls onto the beach. Debris floating in the water may have been deposited on the beach as the wave lost its forward motion.
14. Point out to the children that the tide is not just a wave coming in, but is an increase or decrease in the height of the water. This change in the water level is indicated on the jetties; examine the outermost post from time to time to note how much of it protrudes above the water level.
15. Examine the debris which is cast on the shore by the waves. Notice that it is composed of many kinds of things: large and small pieces of driftwood; logs; parts of plants, including various species of seaweed; perhaps a variety of shells; the remains of sand crabs.
16. Allow the children to pick up and examine any shells which have been strewn on the beach from the water's edge to the line of the highest tide. Many of the shells will have been broken by the surf, but many whole specimens can be found. Point out to the children that these shells once housed live animals. It is unusual to find live specimens on the beach. Such animals cannot survive under those conditions. They soon die when dropped there by birds or waves. Note shells with holes that have been drilled in them, indicating where the shell was attacked and the animal consumed by some other animal in search of food. Note shells that have been honey-combed with tiny holes which were bored by the sponges which lived on them.
17. Look for, and try to identify, any of the forms of plant or animal life that may have been cast up on the beach, such as sand collars (the egg cases of the moon snail); mermaid's purse (the egg case of the skate); horseshoe crabs, dead fish, sea lettuce (like a sheet of green cellophane) or rockweed (brownish, with air bladders the children like to snap).
18. Note any scattered patches of sand that appear blackened, or lumps of black tar which may indicate that oil from a ship has washed ashore. When soft, this tar can stain clothing and stick to the skin.
19. Look for whitecaps on the waves. Air was trapped in the water as it moved, making the water appear white.
20. Examine wood and metal on buildings at the beach or cast ashore, to find evidences of erosion caused by wind, water, or salt deposited by spray.
21. Scan the horizon; watch for smoke coming from ships.
22. Smell and try to describe the air of a sea breeze.

23. Have the children observe the salt which may have been deposited on their arms by spray from the ocean. Explain that the water evaporates, leaving the salt. (Because the water which *evaporates* into the air from the ocean does not take the salt with it, the ocean remains salty.) The water along many of our beaches may be polluted by sewage, so the children should be warned against tasting or swallowing it. Some classes may be interested in learning about the sewage plants which are being built in order to make all our beaches safe.
24. Look for bird tracks in the sand and watch birds feeding. Gulls are scavengers. They pick up debris from the sand or water. Terns dive for small fish. Sandpipers are smaller birds which follow the receding waves to probe for small animals in the wet sand.
25. Have the children notice the color of the ocean and describe it. The color varies with the depth of the water and other factors, and changes with the shifting light. Fill a glass with ocean water to show that the water itself is colorless.
26. Notice how the white sand reflects the light. Sometimes the light is so strong that many people protect their eyes from it with dark glasses. On prolonged field trips it may also be necessary to protect the skin from sunburn.

A Bay or Sound Beach

A trip to a beach on the sound or on a bay can uncover stories about the earth and its changes as told by the rocks, sand, water, wind, plants, animals, docks, and vessels. The following are some suggested observations:

1. Look at the stones strewn along the beach. Notice that they are smooth and round; this shape has been caused by the rubbing together of the stones in the moving water.
2. Find evidence of high and low tide. Sometimes the high-tide mark may be actually painted on a large rock on the beach. If there is a dock, the high-water mark may be indicated on the pilings by its color or by barnacles clinging to it. All along the beach may be a line of sea wrack, little pieces of weed and sticks, which indicate the highest point of the water.
3. Look for signs of erosion by water or wind—steep banks, exposed tree roots, little gullies, sand blown onto grassy areas beyond the beach.
4. If the water is cutting into the bank of this beach, see what efforts have been made by man to stop erosion. Perhaps an embankment has been built of large rocks or planks placed against the edge to retain the soil.
5. See if the children can determine which way the wind is blowing by holding a streamer aloft. Make note of any change of direction of the breeze during the visit to the beach. Is the wind rippling the water or causing waves?
6. Observe signs of plant life. Perhaps the children can see different kinds of seaweed, growing in the water or deposited on the beach by the water. Notice what plants are growing near the water, and if they differ from plants growing where the ground is drier.
7. Look for evidence of animal life—shells from clams, oysters, or mussels; holes of animals that live in the sand or mud; barnacles on the rocks or dock piles. You might see small fish, jellyfish or crabs in the water.
8. Look for barges transporting earth material. The children may make note of coal, iron, sand or traprock being brought into our area from other areas.
9. Look for an outcropping of bedrock. This will not be present at all bay or sound beaches, but you may find one on the beach that you are visiting.

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NASSAU COUNTY

The Nassau County Museum of Natural History was designed as a decentralized institution in order to take advantage of the various natural environments found on Long Island. Each division of the Museum is located on a tract of land which exemplifies one or more land features typical of Long Island. In order to avoid unnecessary duplication, each division specializes in a particular discipline with emphasis upon its regional aspects.

All sketches in this section
courtesy Nassau County Museum of Natural History

Emphasis at the Museum is on familiarizing the teacher with the content of Museum programs and, where desirable, equipping the teacher to conduct a program using Museum facilities.

Educational programs and services are presently available to schools of the County at the various divisions of the Museum.

Museum School Programs—Lesson presentations given by a member of the Museum staff on a specific topic within the discipline specialty of the particular division. Special lessons tailored to individual classes may be planned in direct consultation with the classroom teachers upon sufficient notice.

Outdoor Field Trips—Preserves are always available to classes wishing to conduct a nature-oriented field trip. At present, staff limitations prevent the Museum from offering guides on field trips, however, the Museum staff will consult with, and orient, interested teachers wishing to conduct their own field trips.

School Day Camping—Planning materials and sample activities and programs developed by the Museum staff will be available to interested schools by the fall semester of the school year 1971-72. The preserve at Muttontown Nature Center has been designated the main site for school day camping programs, but other preserves may be utilized for this purpose as desired.

Consultant Services—The Museum staff, while limited, is available to help individual teachers and schools develop programs related to the Museum's interests and to help them obtain factual information.

In-service Education—The Museum staff stands ready to develop in-service education programs in cooperation with BOCES, individual school districts, or other educational institutions.

Publications and Instructional Materials—The Museum offers an expanding series of educational leaflets containing factual information on various natural science topics important to the region. A limited number of loan exhibits are currently available by special request.

E31 Nassau County Museum of Natural History
Garvies Point Division

Barry Drive, Glen Cove 11542 292–4205

Museum emphasizes archaelogy and geology of Long Island, and is located on nature preserve featuring unique geologic formations and shoreline.

Indicated for grades K–12.

Arrangements and Procedures:

Contact 3 weeks in advance; call early in the school year; discuss maximum group with museum instructor; $3. per group payable in advance.

Year-round; daily; 9 am–5 pm; museum conducts lessons in specific subject fields that take 60 minutes; general inside tour and visit to preserve require additional time; teacher planning aids, student work sheets and pamphlets.

Parking; rest rooms; box lunches permitted on grounds; no special facilities available.

E32 Nassau County Museum of Natural History
Muttontown Nature Center and Preserve

Muttontown Lane, East Norwich 11732 922–3123

52-acre nature preserve with provision for future expansion, featuring a variety of natural areas.

Indicated for grades K–12.

Arrangements and Procedures:

Contact 3 weeks in advance; no limit on group size; no charge.

Year-round; daily; 9 am–5 pm; individualized programs in outdoor education designed cooperatively with school personnel for all grade levels; visit takes 2 hours or longer; specialists.

Limited parking; rest rooms; box lunches permitted on grounds; no special facilities available.

Nassau County Department of Recreation and Parks

E33 Nassau County Museum of Natural History
Seaford Division
Washington Avenue, Seaford 11783 292–4266

Museum emphasizes the biological sciences; located on Tackapausha Preserve; features a woodlot ecology.

Indicated for grades K–12.

Arrangements and Procedures:

Contact at least 3 weeks in advance; preferably early in the school year; maximum 30 students plus adults; $3. per group payable in advance.

Year-round; daily; 9 am–5 pm; museum conducts lessons in specific subject fields that take 60 minutes; general inside tour and visit to Preserve require additional time; teacher planning aids, student work sheets and pamphlets available.

Parking; indoor rest rooms; box lunches permitted on the grounds; no special facilities available.

E34 Bailey Arboretum
Bayville Road at Feeks Lane
Lattingtown 11560 676–4497

42-acre arboretum featuring magnificent collection of plants and trees.

Indicated for grades 4–12.

Arrangements and Procedures:

Contact Nassau County Division of Recreation and Parks, 292–4200, 1 week in advance; 1 adult to 10 students; maximum 200 students; $3. per bus, 50¢ per car.

Year-round; Tuesday–Sunday; 10 am–6 pm; no guided tours.

Parking; rest rooms; no eating facilities; box lunches may be eaten at nearby Bayville Beach.

E35 Francke Bird Sanctuary
Brookville Road
Brookville 11545

Fern walk, hill trail, brook trail and tower hill with small raised platform for birdwatching.

Indicated for grades K–6.

Arrangements and Procedures:

No advance notice required; stop for key at Brookville Police Department, Northern Boulevard and Wolver Hill Road, Glen Head; adequate supervision necessary; no limit on group size; no charge.

Year-round; weekdays; 9 am–5 pm; visit takes 40 minutes; no guided tours.

Parking; no rest rooms; no eating facilities.

E36 John F. Kennedy Wildlife Sanctuary
Tobay Beach
Wantagh 11793 785–1800

Aquatic-oriented wildlife; brackish pond; sand dunes.

Indicated for grades 4–12.

Arrangements and Procedures:

Write for application to Division of Beaches, 58 West Main Street, Oyster Bay 11771; adequate supervision; no limit on group size; no charge.

Year-round; weekdays; 8 am–4 pm; no guided tour.

Parking; rest rooms; box lunches may be eaten at adjacent beach.

E37 Roslyn Disposal Plant, Town of North Hempstead
102 West Shore Road
Roslyn 11576 621–0906

600-ton disposal plant.

Indicated for grades 5–12.

Arrangements and Procedures:

Contact Office of Commissioner of Public Works, Town of North Hempstead (220 Plandome Road, Manhasset 11030, 627–0590), 10 days in advance; 1 adult to 10 students; no limit on group size; no charge.

Year-round; weekdays; 9 am–2 pm; guided tour takes 60 minutes; pamphlets; specialists.

Bus parking; rest rooms; no eating facilities.

See also Planting Fields Arboretum E54; Sagamore Hill National Historic Site E91

PARKS AND BEACHES

Parks and beaches are a major resource for teachers in environmental education. Although the parks and beaches listed below are primarily recreational, we have identified selected features which can be related to the environmental curriculum. These are resources for marine science, resources for pond science, and nature trails.

Facilities are listed by county and jurisdiction (national, state, county, town). Local community parks and beaches, administered by villages or park districts, have not been included due to their generally smaller size, and because access to them is frequently limited to community residents.

E38 STATE PARKS IN NASSAU COUNTY

Administrative Units:
Long Island State Park Commission
Babylon 11702 669–1000
Jones Beach State Park Superintendent
Wantagh 11793 785–1600

Preliminary Arrangements:

Ten days advance notice suggested; 1 adult to 10 students required.

$4. bus parking fee for some parks.

Bethpage State Park, 1477 acres
Farmingdale
Outdoor resources for: nature trails.

Hempstead Lake State Park, 867 acres
Hempstead
Outdoor resources for: pond science.

Jones Beach State Park, 2413 acres
Wantagh
Outdoor resources for: marine science.

Valley Stream State Park, 87 acres
Valley Stream
Outdoor resources for: nature trails.

E39 NASSAU COUNTY PARKS

Administrative Unit:
Nassau County Division of Recreation and Parks
Eisenhower Park
East Meadow 11554 292–4101

Preliminary Arrangements:

Vary, call for information. In most instances forms for reservations should be directed to the site or park to be visited.

Note: (H) denotes location within the Town of Hempstead; (NH) North Hempstead; (OB) Oyster Bay.

Bailey Arboretum (OB), 42 acres
Lattingtown
Outdoor resources for: nature trails (*See* E34).

Bay Park (H), 96 acres
First Avenue, East Rockaway
Outdoor resources for: marine science.

Caamans Park Pond (H), 8 acres
Merrick
Outdoor resources for: pond science, nature trails.

Flower Hill Park (NH), 10 acres
Flower Hill
Outdoor resources for: nature trails.

Garvies Point (OB), 60 acres
Glen Cove
Outdoor resources for: marine science, nature trails (*See* E31).

Loft Pond (H), 14 acres
Merrick Road, Baldwin
Outdoor resources for: pond science.

Manhasset Valley Park (NH), 18 acres (adjacent to Whitney Pond)
Manhasset
Outdoor resources for: nature trails.

Milburn Creek Park (H), 24 acres
Baldwin
Outdoor resources for: pond science, nature trails.

Muttontown Nature Preserve (OB), 52 acres
Muttontown
Outdoor resources for: nature trails (*See* E32).

Nassau Beach Park (H), 121 acres
Lido Boulevard, Lido Beach
Outdoor resources for: marine science.

Roosevelt Park (H), 27 acres
Roosevelt
Outdoor resources for: nature trails, pond science.

Silver Lake (H), 9 acres
Baldwin
Outdoor resources for: pond science, nature trails.

Silver Point Park (H), 146 acres
Atlantic Beach
Outdoor resources for: marine science.

Tackapausha Preserve (H), 79 acres
Seaford
Outdoor resources for: nature trails (*See* E33).

Tanglewood Preserve (H), 11.7 acres
Lynbrook
Outdoor resources for: nature trails.

Whitney Pond (NH), 24 acres (adjacent to Manhasset Valley Park)
Manhasset
Outdoor resources for: pond science.

Future Nassau County Parks, Preserves and Beaches in the planning or development stage:
Cedar Creek Park, Seaford, 260 acres
Christie Estate, Muttontown, 422 acres
Cow Meadow Preserve, Freeport, 175 acres
Guggenheim Preserve, Sands Point, 137 acres
Hempstead Harbor Beach, Port Washington, 60 acres
Hempstead Harbor Park, Port Washington, 230 acres
Leeds Pond Preserve, Plandome Manor, 35 acres
Manetto Hills Park, Plainview, 145 acres
Massapequa Preserve, 423 acres
Meadowbrook Park, East Meadow, 45 acres
North Woodmere Park, 150 acres
William Cullen Bryant Preserve, Roslyn Harbor, 138 acres

E40 TOWN PARKS AND BEACHES IN NASSAU COUNTY

Town of Hempstead Parks and Beaches

Administrative Unit:
Director of Recreation, Town of Hempstead
Town Hall Plaza, Main Street
Hempstead 11550 489–5000

Hempstead Town Marine Nature Study Area
Oceanside
Outdoor resources for: marine science; nature trails (*See* S67).

Lido Beach Town Park, 82 acres
Lido Boulevard, Lido Beach
Outdoor resources for: marine science.

Point Lookout Town Park, 200 acres
Lido Boulevard, Point Lookout
Outdoor resources for: marine science.

Town of North Hempstead Parks and Beaches

Administrative Unit:
Superintendent of Parks and Recreation
Department of Parks and Recreation
West Shore Drive, Bar Beach
Port Washington 11560 627–0590

Bar Beach, 16 acres
Port Washington
Outdoor resources for: marine science.

Lakeville Road Lake, 32 acres
Lake Success
Outdoor resources for: pond science.

Leeds Pond, 30 acres
Plandome Manor
Outdoor resources for: pond science.

North Mill Pond, 8 acres
Port Washington
Outdoor resources for: pond science.

Ridder Pond, 5 acres
Meadow Farm Road, Herricks
Outdoor resources for: pond science.

Roslyn Park, 21 acres
Roslyn
Outdoor resources for: pond science, nature trails (bird and duck sanctuary).

Town Dock, 16 acres
Port Washington
Outdoor resources for: marine science.

Town of Oyster Bay Parks and Beaches

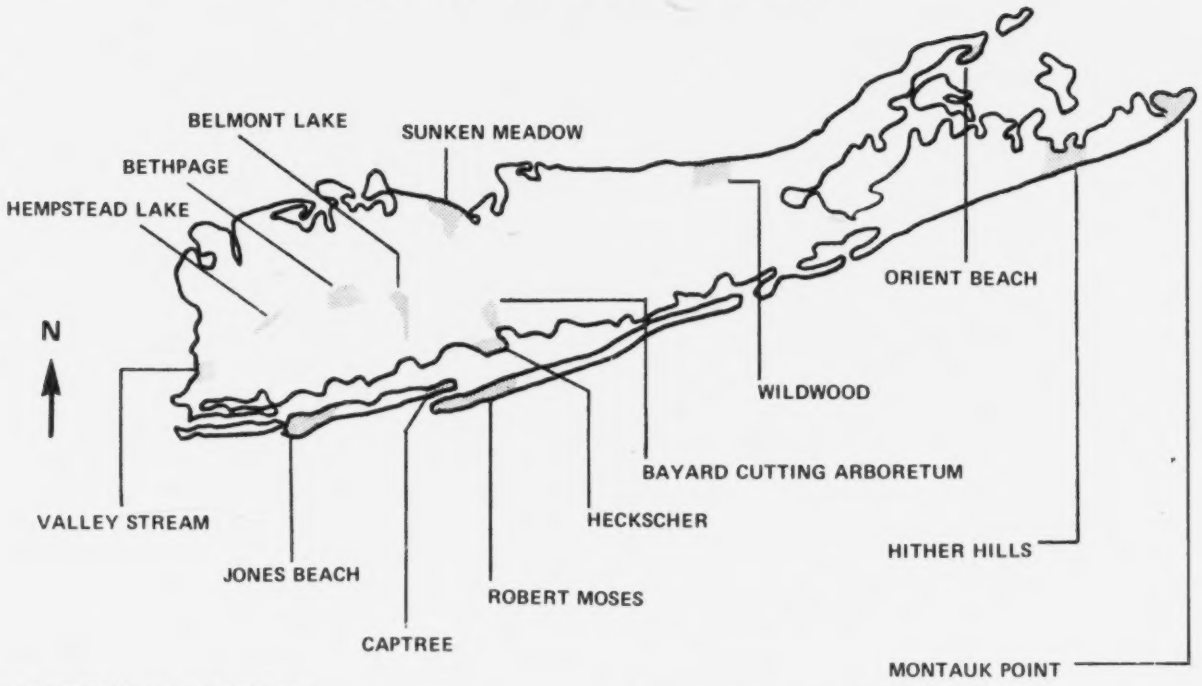
Administrative Unit:
Superintendent of Parks, Town of Oyster Bay
800 South Oyster Bay Road
Hicksville 11801 433–8020

Centre Island Beach, 76 acres
Bayville
Outdoor resources for: marine science.

John F. Kennedy Wildlife Sanctuary, 16 acres
Tobay Beach, Wantagh
Outdoor resources for: pond science. marine science, nature trails (*See* E36).

Tappen Beach, 14 acres
Glenwood Landing
Outdoor resources for: marine science.

STATE PARKS ON LONG ISLAND



SUFFOLK COUNTY

E41 NATIONAL PARK

Fire Island National Seashore
Superintendent's Office
Box 229
Patchogue 11772 289–4810

Preliminary Arrangements:

Sunken Forest tours June–September. Information regarding fees, ferry service and tours is available after June 1.

E42 STATE PARKS IN SUFFOLK COUNTY

Administrative Unit:
Long Island State Park Commission
Babylon 11702 669–1000

Preliminary Arrangements:

Ten days advance notice suggested; 1 adult for every 10 students required; bus parking $4. for some parks.

Bayard Cutting Arboretum, 690 acres
Great River
Outdoor resources for: nature trails, pond science, (*See* S74).

Belmont Lake State Park, 459 acres
Babylon
Outdoor resources for: nature trails, pond science.

Captree State Park, 298 acres
Islip
Outdoor resources for: marine science, nature trails.

Heckscher State Park, 1657 acres
East Islip
Outdoor resources for: nature trails.

Hither Hills State Park, 1755 acres
East Hampton
Outdoor resources for: marine science (campsite).

Montauk Point State Park, 724 acres
Montauk
Historic lighthouse, and easternmost point on Long Island.
Outdoor resources for: marine science.

Orient Beach State Park, 357 acres
Orient
Outdoor resources for: marine science, nature trails.

Robert Moses State Park, 1000 acres
Babylon–Islip
Outdoor resources for: marine science.

Sunken Meadow State Park, 1266 acres
Kings Park
Outdoor resources for: marine science, nature trails.

Wildwood State Park, 699 acres
Wading River
Outdoor resources for: marine science, nature trails.

Future State Parks Preserves and Beaches in the planning or development stage:
Caumsett State Park, Lloyd Neck, 1476 acres
Gilgo State Park, Babylon, 1223 acres
Southside Sportsmen's Preserve, 3473 acres
Wyandanch Preserve, 543 acres

E43 Morton National Wildlife Refuge
RD 359 Noyac Road
Sag Harbor 11963 725–2270

187-acre haven for wildlife, especially waterfowl; operated by the Fish and Wildlife Service, United States Department of the Interior.

Indicated for grades K–12.

Arrangements and Procedures:

Contact Refuge Manager, 2 weeks in advance (6 weeks' notice required for Saturday or Sunday reservation); 1 or 2 adults to maximum of 20 students; no charge.

Year-round; 8 am–6 pm; visit takes 3 hours; specialists; pamphlets; sensible clothing and shoes suggested.

Limited parking; limited rest rooms; picnicking permitted.

See also New York State Fish Hatchery E61

NEW YORK CITY

See American Museum of Natural History E70; New York Botanical Garden E76

OUT OF TOWN

E44 Audubon Center of Greenwich
613 Riversville Road
Greenwich, Connecticut 06830 203–869–5272

A conservation education center and sanctuary maintained by the National Audubon Society to stimulate interest in the beauty and value of the natural world, and in conservation; 430-acre wildlife sanctuary and 125-acre wild flower sanctuary and interpretive building.

Indicated for grades 1–12.

Arrangements and Procedures:

Contact as far in advance as possible; unlimited group size; adequate adult supervision; no charge.

Year-round; Tuesday–Saturday; 9 am–5 pm; teacher-naturalist conducts 90-minute tour followed by summary and exhibits indoors; in case of bad weather, suitable indoor program supplants field trip; pamphlets.

Parking; rest rooms; box lunches permitted on grounds.

E45 Out of Town Parks

Bear Mountain Trailside Museum and Nature Trails
Bear Mountain, New York 10911 914–786–2701
or 212–586–2240

Outdoor resources for: nature trails, pond science.

Palisades State Park
Box 155, Alpine, New Jersey 07620 201–768–1360

Outdoor resources for: pond science, nature trails.

See also Indian Point–Con Edison Nuclear Power Plant E83

TEACHING APPROACHES

Touring a Hospital

Students are given an introduction to the hospital and a brief description of varied types of personnel who are employed to care for patients in addition to physicians and nurses.

Small groups tour portions of the hospital (elementary level students not allowed in patient units) learning functions of the various departments. Each group also given a brief anatomy lesson on the digestive system. A manikin is used to illustrate each organ, and those diseases which might occur in the particular organ that would require hospitalization are described; e.g., appendix- appendectomy.

Areas which might be included in tour: Electro-cardiogram, purchasing, admitting, microfilm, and inhalation therapy departments; laboratory area; nuclear medicine; laundry; central supply; messenger service desk; switchboard; doctor's sign-in board; information desk.

Prepared by Leola W. Jones, R.N.
In-service Education Coordinator
South Nassau Communities Hospital

NASSAU COUNTY

E46 Community Hospital at Glen Cove
St. Andrew's Lane
Glen Cove 11542 676–5000

Indicated for grades 2–12.

Arrangements and Procedures:

Contact Public Relations Office, ext. 601, 2 weeks in advance; 1 adult to 10 students; preferred group size 15 students (larger classes divided into 2 groups); no charge.

September- June; Tuesday–Friday; tours only after 2 pm; guided tour takes 60 minutes; specialists.

Limited parking; rest rooms; milk and cookies provided by hospital at end of tour.

E47 Nassau–Suffolk Braille Library
329 Hempstead Turnpike
West Hempstead 11552 485–2557

A facility of the Industrial Home for the Blind which produces Braille books, large-type books, records and tapes, and transcribes school textbooks.

Indicated for grades 5–12.

Arrangements and Procedures:

Contact Librarian, 2 weeks in advance; maximum 30 students; no charge.

Year-round; weekdays; 9 am–5 pm; guided tour takes 60 minutes; pamphlets.

Limited parking; rest rooms; no eating facilities.

BOCES

E48 South Nassau Communities Hospital
2445 Oceanside Road
Oceanside 11572 764–2600

Voluntary, nonprofit community hospital.

Indicated for grades 5–12.

Arrangements and Procedures:

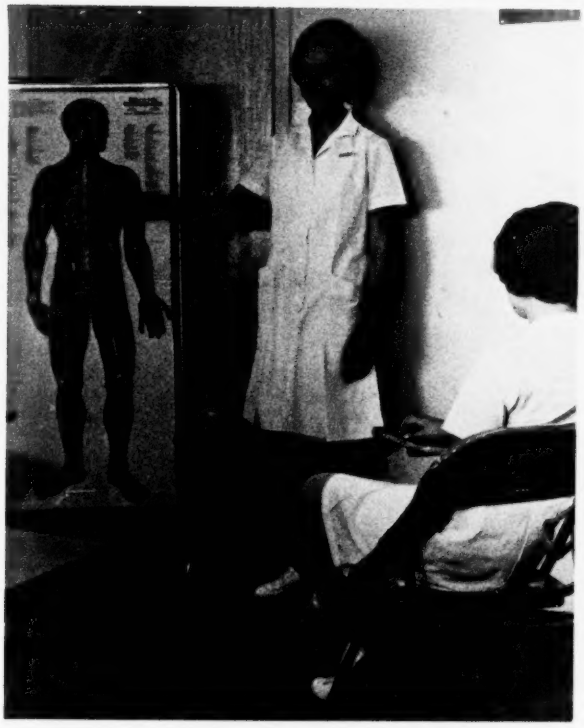
Contact Community Relations Department, 4 weeks in advance; 1 adult to 15 students; maximum 45 students; no charge.

Year-round; Tuesday–Friday; mornings; guided tour by hospital staff takes 45–60 minutes; pamphlets.

Limited parking; rest rooms; no eating facilities.

See also BOCES Occupational Schools E23; Nassau County Museum of Natural History E31–33; Roslyn Disposal Plant E37; State Parks in Nassau County E38; Nassau County Parks E39; Town Parks in Nassau County E40; Town of Oyster Bay Animal Shelter E56; Zorn's Poultry Farms E57

BOCES



BOCES

SUFFOLK COUNTY

E49 Huntington Hospital
270 Park Avenue
Huntington 11743 351–2000

General community hospital.

Indicated for grades 4–12.

Arrangements and Procedures:

Contact Women's Auxiliary, 2 weeks in advance; 1 adult to 10 students; maximum 20 students; no charge.

Year-round; Wednesday–Friday; 1 pm–3 pm; guided tour takes 60 minutes; specialists; pamphlets.

Bus parking; rest rooms; no eating facilities.

See also Fire Island National Seashore E41; State Parks in Suffolk County E42; Wittmann's Rabbitry E65

NEW YORK CITY

See American Society for the Prevention of Cruelty to Animals E71; New York City Police Academy Museum E125

OUT OF TOWN

See Audubon Center of Greenwich E44; Out of Town Parks E45

NASSAU COUNTY EARTH AND UNIVERSE

E50 Gregory Museum
207 Cottage Boulevard
Hicksville 11801 681–6041

Earth science exhibits: mineralogy, geology, lapidary arts; also butterfly and moth exhibits.

Indicated for grades 3–12.

Arrangements and Procedures:

Contact Mrs. Anne Gregory, 3 weeks in advance; 1 adult to 10 students; maximum 30 students; no charge.

By appointment only; guided lecture tour takes 1½–2 hours and is geared to group age level; pamphlets.

Street parking; rest room; no eating facilities.

See also Nassau County Museum of Natural History E31–33

PLANT AND ANIMAL

E51 Filasky's Farm Stand
Northern Boulevard
Brookville 11545 626–0327

Vegetable and pumpkin farm; farm implements; sculptures; animals.

Indicated for grades K–2.

Arrangements and Procedures:

Call several days in advance; group size and number of accompanying adults not specified; small fee for purchase of pumpkin for each child.

October (before Halloween); 10 am–2 pm; no guided tour; visit takes 60 minutes.

Bus parking; rest rooms; box lunches permitted.

E52 Gardner's Village
456 Hempstead Turnpike
West Hempstead 11552 483–7600

Garden and pet center.

Indicated for grades K–6 (K–3 at Christmas time for special display).

Arrangements and Procedures:

Advance notice required only before Christmas; 1 adult to 10 students; no charge.

Year-round; mornings preferred; visit takes 60 minutes.

Parking; rest rooms; no eating facilities.

E53 Old Westbury Gardens
Old Westbury Road
Old Westbury 11568 333–0048
(Mailing address: P. O. Box 265)

70-acre botanical garden and Georgian house with varied exhibits.

Indicated for grades 3–6.

Arrangements and Procedures:

Contact 2 weeks in advance; 1 adult to 5 students; fees for groups of 20 or more payable in advance; 25¢ per person to gardens only, and 75¢ per person to house and gardens.

May–October; 10 am–5 pm; visit takes 60 minutes for gardens and 60 minutes for house; syllabus for teachers.

Parking; rest rooms; picnic area.

E54 Planting Fields Arboretum
Planting Fields
Oyster Bay 11771 992–6000

175-acre arboretum plus 100 acres of natural woods; greenhouses; formal gardens; educational displays and seasonal plantings; former Coe estate.

Indicated for grades K–12.

Arrangements and Procedures:

Call ext. 330 or 346, 2 weeks in advance; maximum 30 students with adult supervision; inquire about fees.

Year-round; daily; 10 am–4 pm; tours Monday–Friday; guided tours take 90 minutes; unguided tours possible.

Parking; rest rooms; no eating facilities.

E55 Roosevelt Raceway
Westbury 11590 746–6000

Raceway; stable; blacksmith shop; training track.

Indicated for grades 2–6.

Arrangements and Procedures:

Write to Security Department, at least 1 week in advance; 1 adult to 5 students; maximum 35 students; no charge; general information call ext. 286 or 289.

Year-round; Monday–Saturday; mornings preferred; guided tour takes 1½–2 hours.

Bus parking; rest rooms; box lunches may be eaten in nearby Eisenhower Park.

E56 Town of Oyster Bay Animal Shelter
Miller Place
Syosset 11791 921–5120

Shelter cares for and finds homes for stray domestic animals; care and feeding of pets demonstrated.

Indicated for grades K–6.

Arrangements and Procedures:

Contact 2–3 days in advance; no special adult chaperone or maximum group requirements; no charge.

Year-round; weekdays; 9 am–3 pm; guided tour takes 30 minutes; specialists; pamphlets.

Bus parking; rest rooms; no eating facilities; nearby Syosset Woodbury Park may be used for box lunches.

E57 Zorn's Poultry Farms
Hempstead Turnpike
Bethpage 11714 731–5500

Small outdoor farm zoo.

Indicated for grades K–3.

Arrangements and Procedures:

No preliminary arrangements necessary; maximum 40 students and 5 adults; no charge.

Year-round, daily; visit takes 30 minutes.

Parking; no rest rooms; no eating facilities.

See also Bailey Arboretum E34; Francke Bird Sanctuary E35; Gregory Museum E50; Nassau County Museum of Natural History E31–33; Sagamore Hill National Historic Site E91

SUFFOLK COUNTY
EARTH AND UNIVERSE

See Viewlex, Inc./Planetariums Unlimited E59

MATTER AND ENERGY

E58 Treat Company, Inc.
29 Sound Avenue
Riverhead 11901 727–3950

Manufacturers of potato chips.

Indicated for grades K–6.

Arrangements and Procedures:

Contact 1 week in advance; no limit on group size; adequate adult supervision; no charge.

Year-round; weekdays; 9:30 am–11 am; 1:30 pm–3:30 pm; visit takes 15 minutes for group of 20; guided tour.

Parking; no rest rooms; no eating facilities.

E59 Viewlex, Inc./Planetariums Unlimited
Holbrook 11741 589–6600

Manufacturer of planetariums; slide and filmstrip projectors; aerial cameras; electronic instruments.

Indicated for grades 4–6.

Arrangements and Procedures:

Contact Customer Service Manager, 3 weeks in advance; 2 adults to 15 students; maximum 30 students; no charge.

Year-round (except July); weekdays; 9 am–11 am, 1 pm–3 pm; guided tour takes 60–90 minutes; specialists; pamphlets.

Parking; rest rooms; no eating facilities.

PLANT AND ANIMAL

E60 Bluepoints Company, Inc.
Atlantic Avenue
West Sayville 11796 589–0123

Clams and oysters hatched in an artificial setting at this shellfish farm.

Indicated for grades 4–12.

Arrangements and Procedures:

Contact 1 week in advance; 1 adult to 4 students; maximum 20 students; no charge.

April–October; weekdays; 9:30 am–12 noon; guided tour takes 60 minutes; pamphlets; specialists.

Bus parking; limited rest rooms; no eating facilities.

E61 New York State Fish Hatchery
Route 25A
Cold Spring Harbor 11724 692–6768

Fish hatchery breeds trout for New York State waterways; pond science.

Indicated for grades K–12.

Arrangements and Procedures:

None required; supervision required; no charge.

Year-round; daily; 8 am–12 noon; 1 pm–4:30 pm; visit is unguided and takes 15–20 minutes; trip may include visit to nearby Cold Spring Harbor and the Whaling Museum E106.

Bus parking; rest rooms; no eating facilities.

E62 Northport Butterfly Farm and Museum
44 Woody Crest Drive
Northport 11768 261–8762

Private collection of mounted butterflies and beetles displayed in a private home.

Indicated for grades 2–8.

Arrangements and Procedures:

Contact 2–3 weeks in advance; adequate supervision; maximum 25 students; no charge.

Weekdays; 9 am–11:30 am; lecture and visit takes 60 minutes; 2 lectures per morning.

Parking; rest room; no eating facilities.

E63 State University of New York, Agricultural and Technical College at Farmingdale
Farmingdale 11735 420–2125

On-campus productive farm; domestic animals; ornamental gardens.

Indicated for grades K–6.

Arrangements and Procedures:

Contact Secretary in the Evening College handling group farm tours, as far in advance as possible; maximum 35 students plus 2 adults; $4. per tour payable in advance (confirmation requires advance payment).

September 15–November 15; March 15–June 11; weekdays; 9:30 am–3 pm; visit takes 45–60 minutes; tour guide provided; specialists.

Parking; rest rooms; picnic grounds and snack bar.

E64 Suffolk County Farm
Yaphank Avenue
Yaphank 11980 924–3530

500-acre general farm operated by Suffolk County to supply farm products to County institutions; vegetables; cattle; farm animals.

Indicated for grades K–6.

Arrangements and Procedures:

Call for an appointment as far in advance as possible; 1 adult to 10 students; maximum 50 students; no charge.

April 1–November 15; 9 am–3 pm; guided walking tour takes 60–90 minutes; animals may be fed apples, carrots and bread.

Parking; rest rooms; picnic area.

E65 Wittmann's Rabbitry
Main Street
Yaphank 11980 924–3430

Rabbit farm; from nest box to finished pelts and apparel.

Indicated for grades K–6.

Arrangements and Procedures:

Contact 2–3 weeks in advance; maximum 60–70 students; 50¢ per person.

Year-round; weekdays; 9 am–5 pm; guided tour takes 60 minutes.

Parking; limited rest rooms; picnic facilities in nearby Southaven Park.

See also Kennedy Wildlife Sanctuary E36; Morton National Wildlife Refuge E43; Vanderbilt Museum E105

NEW YORK CITY
EARTH AND UNIVERSE

E66 Hayden Planetarium, American Museum
Central Park West and 81st Street
New York 10024 212–873–1300

Planetarium with 75-foot dome; exhibits of astronomy and related sciences; model of solar system; displays of upper atmosphere research.

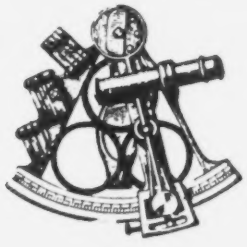
Indicated for grades 3–12.

Arrangements and Procedures:

Contact Reservations (ext. 343 or 363), 1 month in advance; class rates 50¢ per student with 1 adult admitted free with each group of 10; payable on arrival by 1 person.

School shows September–June; 10:30 am, 11:30 am and 12:30 pm; live sky show takes 60 minutes; extra time required to see exhibits; astronomer available to answer questions; pamphlets on request.

Limited bus parking ($2.50 per bus); rest rooms; school lunchroom available only by advance reservations.



E67 National Weather Service, LaGuardia Airport
Marine Terminal Building, 3rd floor
Flushing 11371 212–639–5690

Weather office primarily geared for aviation interests; operated by the National Oceanic and Atmospheric Service Administration, United States Department of Commerce.

Indicated for grades 6–12.

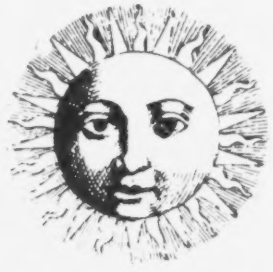
Arrangements and Procedures:

Contact meteorologist in charge, 2 weeks in advance; maximum 25 students plus 2 or 3 adults; no charge.

Year-round; weekdays; only between 10 am and 11 am; visit takes 30 minutes; staff is available for informal tour, weather and work load permitting; weather maps available; *Note:* if weather is very bad on visiting day, scheduled visit may have to be cancelled.

Parking; rest rooms; snack stand.

See also American Museum of Natural History E70; Hall of Science of the City of New York E69; MUSE E119



MATTER AND ENERGY

E68 Fire Department Museum
104 Duane Street
New York 10007 212–744–1000

Old fire apparatus and antiques.

Indicated for grades K–6.

Arrangements and Procedures:

Contact ext. 207, 2 weeks in advance; 1 adult to 8 students; maximum 40 students; no charge.

Year-round; weekdays; 9 am–4 pm; visit takes 75–90 minutes; fire prevention film, guided demonstration and lecture tour; pamphlets.

Parking lots nearby; rest rooms; no eating facilities.

E69 Hall of Science of the City of New York
Flushing Meadow Park
111th Street and 49th Avenue
Corona 11368 212–699–9400
(mailing address: P.O. Box 1032, Flushing 11352)

United States Space Park contains largest display of modern space hardware in the world; "Rendezvous in Space" movie depicts space taxi docking with manned orbital laboratory; exhibits interpret current scientific and technological knowledge.

Indicated for grades 4–12.

Arrangements and Procedures:

Contact 2 weeks in advance; 1 adult to 20 students; no charge.

Year-round; Tuesday -Saturday; 10 am–5 pm; Sunday; 1 pm–5 pm; visit takes 2–4 hours; guided tour in summer only; specialists; pamphlets.

Bus parking; rest rooms; snack bar; box lunches permitted.

See also Hayden Planetarium E66; MUSE E119

PLANT AND ANIMAL

E70 American Museum of Natural History
Central Park West and 79th Street
New York 10024 212–873–1300

Science and anthropology exhibits from all eras and geographic locations.

Indicated for grades 3–12.

Arrangements and Procedures:

Contact Supervisor, Education Department, at least 3 weeks in advance for guided tours and 1 week for self-conducted tours; 1 adult to 15 students; maximum 50 students; $15. an hour per group of 25 people for guided tour.

Year-round; weekdays; 10 am–5 pm; Saturdays and Sundays; 1 pm–5 pm; guided tour takes 60 minutes; allow time to visit exhibits.

Bus parking (fee); rest rooms; limited school lunchroom facility available by appointment only.

E71 American Society for the Prevention of Cruelty to Animals (ASPCA)
441 East 92nd Street
New York 10128 212–876–7700

Large animal shelter devoted to animal care and handling.

Indicated for grades 3–7.

Arrangements and Procedures:

Contact Education Department, 3–4 months in advance; 1 adult to 12 students; maximum 75 students; no charge.

Year-round; daily; 10:30 am and 1 pm; program geared to class age level; visit takes 60 minutes; includes film, talk, live animals; specialists; pamphlets.

City parking; limited rest room facilities; no eating facilities.

E72 Animal Nursery
1317 Surf Avenue
Brooklyn 11224 212–373–2211 or 2324

Large variety of pets in an intimate setting; children may feed animals.

Indicated for grades K–3.

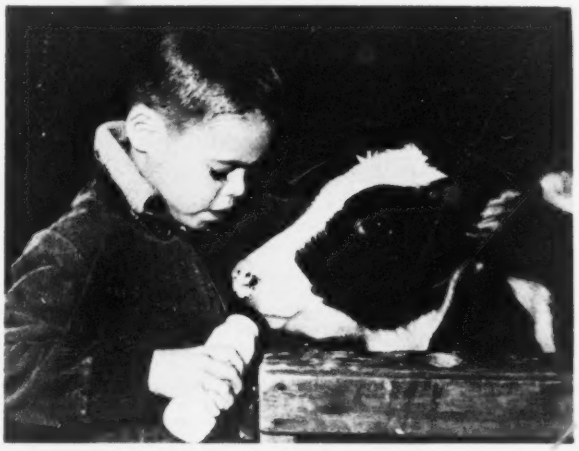
Arrangements and Procedures:

Call for reservations 10 days in advance; 1 adult to 10 students; maximum 300 students; group rate 50¢ per student; 1 adult admitted free for every 10 students.

Year-round; daily; 10 am–10 pm; visit takes 60 minutes; demonstrations; specialists; pamphlets.

Parking; rest rooms; nearby snack bar; box lunches may be eaten along the boardwalk.

Animal Nursery



E73 Central Park Zoo and Lehman's Children's Zoo
Fifth Avenue and 65th Street
New York 10021 212–360–8288

Central Park Zoo has birds, monkeys, lions, tigers, elephants, seals, camels and a variety of other species; the adjacent Lehman's Children's Zoo has live animal exhibits in nursery rhyme settings.

Indicated for grades K–6.

Arrangements and Procedures:

For film and lecture at Children's Zoo, contact Education Office, at least 1 month in advance; 1 adult to 15 students; maximum 60 students; 10¢ per person admission.

Year-round; daily; 10 am–4:30 pm; visit to Children's Zoo takes 30 minutes for film and lecture and 30 minutes for exhibit; allow additional time to see Central Park Zoo.

City parking; rest rooms; cafeteria and picnic tables at Central Park Zoo.

E74 Flushing Meadow Corona Park Zoo and Children's Farm
111th Street and 55th Avenue
Corona, Queens 11352 212–699–7239

18-acre outdoor zoo adjacent to Hall of Science; features aviary in geodesic dome and children's farm with baby animals; unisphere within walking distance.

Indicated for grades K–6.

Arrangements and Procedures:

No reservations necessary; no group size or chaperone requirements; no charge.

Year-round; daily; 10 am–4 pm; visit takes 60 minutes; no guided tours.

Bus parking; rest rooms; eating facilities in cafeteria.

E75 New York Aquarium
Boardwalk at West Eighth Street
Brooklyn 11224 212–266–8500

Only aquarium in New York metropolitan area.

Indicated for grades K–12.

Arrangements and Procedures:

Call Appointment Clerk, 3 months in advance; 1 adult to 10 children; no maximum group size; 25¢ each for adults.

Year-round; daily; 10 am–5 pm; visit takes 2 hours; no guided tours.

Bus parking (fee); rest rooms; eating facilities (make reservation at entrance); picnic area.

New York Botanical Garden

E76 New York Botanical Garden
Bronx Park
Bronx 10458 212–933–9400

230 acres of gardens; forest; museum of major economic food and fossil plants; and Conservatory consisting of eleven greenhouses.

Indicated for grades K–12.

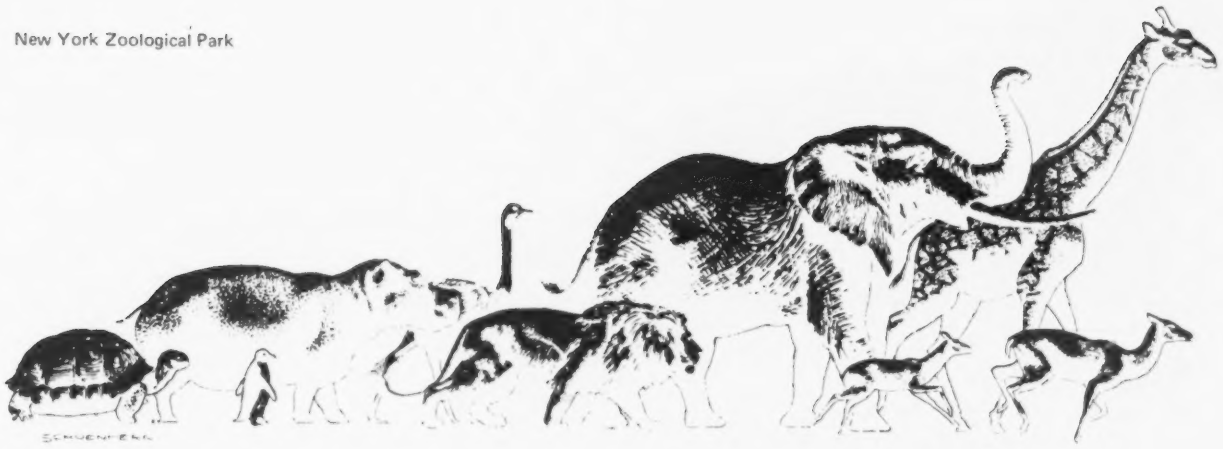
Arrangements and Procedures:

Contact 1 week in advance; 1 adult to 10 students; no charge.

Year-round; daily (spring and fall are recommended); 10 am–4:30 pm; visit takes at least 90 minutes; no guided tour; teaching materials; preliminary visit by teacher suggested.

Bus parking; rest rooms; outdoor eating facilities.

New York Zoological Park



E77 New York Zoological Park
Bronx Zoo
Bronx Park 10460 212–933–1500

Animal rarities of the world exhibited in 252-acre park; children's zoo; animal nursery; aquatic birdhouse; "World of Darkness" exhibit; 3000 animals.

Indicated for grades K–12.

Arrangements and Procedures:

Call Department of Education, as early as possible for auditorium program reservations (grades 3–12); no reservation necessary for self-guided tours; 1 adult to 10 students; no general admission charge weekdays for school groups; 15¢ per person admission in groups of 20 or more to children's zoo.

Year-round; daily; 10 am–5 pm; auditorium program for grades 3–6 (geared to class age level); includes lecture, film, live animals; specialist; teaching materials.

Bus parking $2.; rest rooms; eating facilities.

E78 Prospect Park Zoo
Flatbush Avenue near Empire Boulevard
Brooklyn 11225 212–768–2300

Small modern zoo.

Indicated for grades K–6.

Arrangements and Procedures:

No reservations necessary; no group size requirements; no charge.

Year-round; daily; 8 am–5 pm; buildings 11 am–5 pm; visit takes 40 minutes; no guided tour; specialists.

Street parking; rest rooms; cafeteria; box lunches permitted on patio.

E79 Staten Island Institute of Arts and Sciences
75 Stuyvesant Place
Staten Island 10301 212–727–1135

Small museum offering natural history and art exhibits; Indian dioramas; solar system and water pollution exhibits; five-minute walk from Staten Island ferry.

Indicated for grades 2–6.

Arrangements and Procedures:

No advance notice required; maximum group 2 classes; no charge.

Year-round; Tuesday–Friday; 10 am–4 pm; visit takes 60 minutes; no guided tours; specialists; pamphlets.

Street parking; limited rest rooms; box lunches may be eaten in building courtyard.

E80 Staten Island Zoo
614 Broadway
Staten Island 10310 212–442–3100

Small modern educational zoo in 8-acre park; major reptile exhibit featuring 425 snakes, alligators and lizards; includes children's zoo featuring farm animals.

Indicated for grades 3–6.

Arrangements and Procedures:

Contact 2 weeks in advance; maximum 200 students; sufficient teacher supervision; admission to children's zoo only, 15¢ per student under 10 years old; 25¢ per person over 10.

Year-round; daily; 10 am–5 pm; visit takes 2 hours; educational lectures for grades 3 and 4; specialists.

Limited bus parking; rest rooms; box lunches may be eaten outdoors.

OUT OF TOWN
EARTH AND UNIVERSE

E81 **Hudson River Museum and Andrus Space Transit Planetarium**
511 Warburton Avenue
Yonkers, New York 10701 914–963–4550

Art, science and history museum; planetarium.

Indicated for grades K–12.

Arrangements and Procedures:

Call as far in advance as possible; 1 adult to 10 students; maximum 140 students; 50¢ per student; adults free.

Year-round; Tuesday–Saturday; 10 am–5 pm; planetarium program and guided museum tour take 2 hours; specialists; pamphlets.

Bus parking; rest rooms; box lunches in the park.

MATTER AND ENERGY

E82 **Edison National Historic Site**
Main Street at Lakeside Avenue
West Orange, New Jersey 07052 201–736–0550
(Mailing address: P.O. Box 126, Orange, New Jersey 07051)

Thomas Alva Edison's research laboratories (including reproduction of first motion picture studio) and nearby estate.

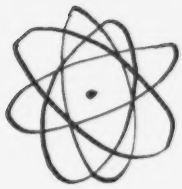
Indicated for grades 4–12.

Arrangements and Procedures:

Contact Reservations Clerk, 2 months in advance; 1 adult to 15 students; maximum 60 students; no charge for qualified school groups.

Year-round; 9:30 am–4:30 pm; guided tour takes 90 minutes; specialists; pamphlets.

Parking; rest rooms; no eating facilities.



E83 **Indian Point, Con Edison Nuclear Power Plant**
Indian Point, New York 212–460–6000
(Mailing address: Community Relations, Room 1631S, 4 Irving Place, New York 10003)

Modern nuclear power plant harnesses the power of the atom to generate electricity; nature trail.

Indicated for grades 4–12.

Arrangements and Procedures:

Telephone for reservations; maximum 50 students; no charge.

Selected months; Wednesday–Saturday mornings; guided tour keyed to age level of students; visit takes 60 minutes; specialists; pamphlets.

Parking; rest rooms; picnic facilities.

See also General Motors Assembly Division E30

PLANT AND ANIMAL

E84 **Sterling Forest Gardens**
Box 608
Tuxedo, New York 10987 914–351–2163

125 acres of lavishly planted gardens; exotic birds; fountains; theater of performing birds and animals.

Indicated for grades K–8.

Arrangements and Procedures:

Contact 3 weeks in advance; 1 adult to 10 students; minimum group 20; group rates available on request; free ticket for teacher may be used for a preliminary visit and field trip.

May–October; 10 am–dusk; allow time for 20-minute guided lecture tour on peacock train (fee), 30 minutes for farmyard theater plus time to see sights; pamphlets.

Bus parking; outdoor rest rooms; picnic tables; cafeteria.

See also Audubon Center of Greenwich E44; Out of Town Parks E45

TEACHING APPROACHES

MUSEUM TRIP

PREPARATION:

Orientation to a study of the American Indian. Can be related to the Thanksgiving season. A study of early communities, New York State or Long Island history might begin the unit of study. Prepare students for the difference in society, and culture from early America to today.

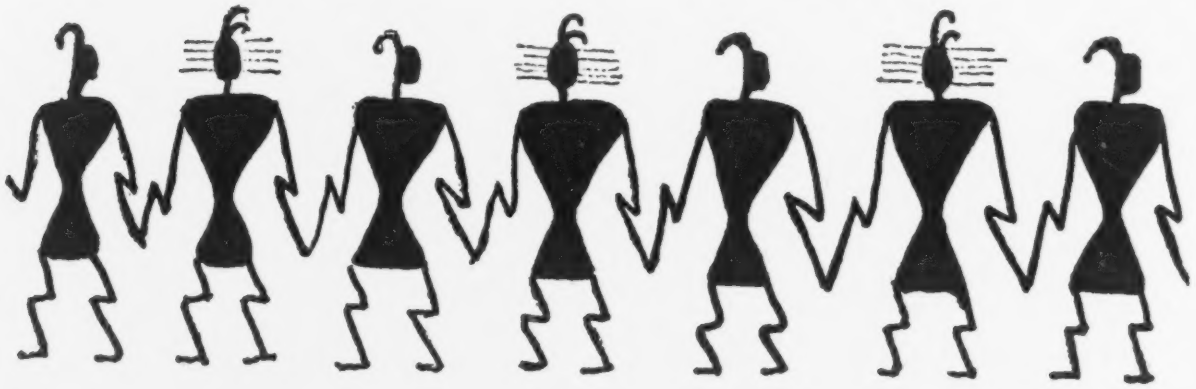
ON LOCATION:

Look for:

samples of weaving	clothing	maps of Indian Reservations on Long Island
pottery	canoe	techniques of hunting
baskets	dioramas	layout of land (physical features)
cooking equipment	paintings	homes (teepees)
silver crafts	maps of early America	occupations

FOLLOW-UP:

1. Discuss with students what they have seen.
   a. how our culture has changed: modes of living, homes, earning a living (food), transportation, and clothing.
   b. how society has changed: education, economy, religion and ceremonies (rain dances, crops growing, war dances).
2. Have students set up an Indian Village in the classroom—full size, a diorama or panorama. Make pottery, masks, moccasins, stuffed Indian dolls with appropriate clothing; weave baskets; weave a small Indian rug.
3. Have students devise an Indian game, dance, or song.
4. Have students write a play about Indian life. Make costumes, props and present the play.
5. Discuss with students the thoughts of Indians as they see Pilgrims coming to their land.
6. Have some students role play Indians and other children Pilgrims. How would they communicate?
7. Write original poems and stories about Indian life. How I felt when . . . (Make a book of these activities).
8. Make a class mural depicting events in the day of an Indian: making a teepee, planting new crops, hunting, cooking dinner, ceremony, or fishing.
9. Discuss how Indians planted, fertilized and stored corn. How is this different today?
10. Have students plant and care for corn in the classroom.
11. Bake corn muffins and make butter for a class party.
12. Have an Indian ceremony in class.
13. Find out what happened to the first local Indian tribes. Is there a lasting influence (names of towns, streets, town meetings, etc.)?
14. Find out about Indians that are still living in America today: how do they live; where do they live; how have they changed (or have they); how do they earn a living?
15. Have an American Indian visit the classroom.



NASSAU COUNTY GOVERNMENT AND PUBLIC AGENCIES

E85 Town Hall, Town of Hempstead
Washington Street
Hempstead 11550 489–5000

Visit to Town Hall offices including town clerk, building department, registrar; tour geared to classes studying Town government.

Indicated for grades 3–12.

Arrangements and Procedures:

Contact ext. 380, in advance; 1 adult to 12 children; maximum 25 students; no charge.

Year-round; Monday–Friday; 10 am–3 pm; Town Board meets on Tuesday at 10:30 am, and groups may sit in at meeting; length of visit varies with interest of group; guided tour; specialists.

Street parking; rest rooms; cafeteria.

E86 Town Hall, Town of North Hempstead
Plandome Road
Manhasset 11030 627–0590

Visit to Town Hall introduced by a lecture on town government; arrangements may be made for students to attend Board of Supervisors or Zoning Appeals meetings.

Indicated for grades 3–12.

Arrangements and Procedures:

Contact Office of Town Supervisor, 2 weeks in advance; maximum group of 30 students with adult supervision; no charge.

Year-round; Monday–Friday; 9 am–4:45 pm; Town Board meets Tuesday at 10:30 am; visit takes 40 minutes; Zoning Appeals meetings held on alternate Wednesdays at 9:30 am; students given an introductory lecture; specialists.

City parking; rest rooms; no eating facilities.

Teachers in districts whose jurisdiction coincides with that of the many incorporated villages or the cities in the county should consider a visit to the village or city halls which often include a complete spectrum of government services under one roof.

See also Community Hospital at Glen Cove E46; Nassau-Suffolk Braille Library E47; South Nassau Communities Hospital E48; Nassau County Police Department S88

HISTORIC SITES AND RESTORATIONS

E87 Manhasset Valley School
Northern Boulevard
Manhasset 11030 292–4162

One-room common school of 1800's.

Indicated for grades 3–7.

Arrangements and Procedures:

Contact 3–4 weeks in advance; 1 adult to 10 students; maximum 25 students; no charge.

April–October; Wednesday–Friday; 1 pm–5 pm; visit takes 15–30 minutes; visit to Saddle Rock Gristmill on same trip recommended; guided tours; pamphlets.

Bus parking; rest rooms; picnic and playground facilities.

E88 Old Bethpage Village Restoration
Round Swamp Road
Old Bethpage 11804 249–0500

200-acre restoration of Long Island farming village of pre-Civil War period.

Indicated for grades 4–12.

Arrangements and Procedures:

Call ext. 388, 1 month in advance; 1 adult to 8 students; maximum 80–90 in group; 50¢ per person.

Year-round; 10 am–5 pm; winter 9 am–4 pm; visit takes 2 hours, is mostly outdoors and involves considerable walking; specialists; pamphlets.

Parking; rest rooms; cafeteria.

E89 Raynham Hall
20 West Main Street
Oyster Bay 11771 922–6808

Colonial home of pre-Revolutionary period.

Indicated for grades 3–12.

Arrangements and Procedures:

Contact 1 week in advance; 1 adult to 15 students; maximum 30 students; no charge.

Year-round; daily except Tuesday; 10 am–12 noon; 1 pm–5 pm; visit takes 60 minutes; guided tours; pamphlets.
Bus parking; rest rooms; no eating facilities.

Courtesy Nassau County Historical Museum

E90 Saddle Rock Gristmill

Gristmill Lane
Saddle Rock 11020 292–4162

Working gristmill; example of 18th-century Long Island industry.

Indicated for grades 3–8.

Arrangements and Procedures:

Because mill operates with tides, no appointments scheduled until after first of year; contact 3–4 weeks in advance; 1 adult to 10 students; maximum 25 students; no charge.

April–October; Wednesday–Friday; 9 am–5 pm; visit takes 30–60 minutes; visit to Manhasset Valley School on same field trip recommended; guided tours; pamphlets.

Parking; no rest rooms; no eating facilities.

E91 Sagamore Hill National Historic Site

Mtd. Rt. Box 304
Oyster Bay 11753 922–4447

Home of Theodore Roosevelt; Old Orchard Museum (conservation exhibit); natural preserve.

Indicated for grades 1–8.

Arrangements and Procedures:

Contact 6–8 months in advance; 1 adult to 6 students; maximum 30 students; no charge.

Year-round; daily; 9 am–5 pm; afternoon visits preferred; visit takes 2 hours; no guided tours; specialists; pamphlets.

Bus parking; rest rooms; no eating facilities.

See also Theodore Roosevelt Birthplace E114

United States Department of the Interior

BLACK HISTORY

E92 **Black History Exhibit Center**
106A Main Street
Hempstead 11550 481–8200

Museum of Black cultural history on Long Island sponsored by the County of Nassau.

Indicated for grades K–12.

Arrangements and Procedures:

Call ext. 58 or 59, for an appointment 1 week in advance; 1 adult to 6–8 students; maximum 35 persons; no charge.

Year-round; weekdays; 9 am–5 pm; weekends; 1 pm–5 pm; visit takes 2 hours; program geared to age level includes films and slides; individual tapes; guided tour of exhibits.

Bus parking; rest rooms; no eating facilities.

Sagamore Hill

MUSEUMS

E93 **Long Island Old Fire Engine Museum**
2880 Grand Avenue
Baldwin 11510 868–0488

Exhibit of fire-fighting equipment used from 1837–1926; horse- and hand-drawn engines; old motor apparatus; collection of old fire photographs.

Indicated for grades 2–8.

Arrangements and Procedures:

Contact 2 weeks in advance; 1 adult to 10 students; maximum 30 students; school groups of 25–35 persons, 35¢ each.

April 15–December 15; Monday–Saturday; 9 am–5 pm; guided tour takes 45 minutes.

Bus parking; no rest rooms; no eating facilities.

Photographs courtesy Nassau County Historical Museum

E94 Nassau County Historical Museum
Dwight D. Eisenhower Park
East Meadow 11554 292–4162

Exhibits portraying Long Island history; Indian exhibit; medicinal herb garden; steam locomotive.

Indicated for grades 3–7.

Arrangements and Procedures:

Contact 3–4 weeks in advance; 1 adult to 10 students; maximum 25 students; no charge.

September–June; daily; 9 am–5 pm; visit takes 30–60 minutes; no guided tours; pamphlets.

Bus parking; rest rooms; picnic facilities.

E95 Old Gristmill Museum
Woods Avenue
East Rockaway 11518 599–2278

Museum contains model schoolroom; blacksmith shop; general store; Indian exhibit; exhibits pertaining to shipping and whaling.

Indicated for grades 3–12.

Arrangements and Procedures:

Contact in advance; 1 adult to 10 students; maximum 60 students; no charge.

June–October; visit by appointment; visit takes 45 minutes; guided tour.

Street parking; no rest rooms; no eating facilities.

See also Nassau County Museum of Natural History, Garvies Point Division E31

"The Tidewater Gristmill, East Rockaway, 1688"

TOURS

See Roosevelt Field Shopping Center E26

OF FURTHER INTEREST . . .

Long Island Rail Road, Tour Department
Jamaica 11435 742–3900*

The Long Island Rail Road arranges various educational tours for groups to points of interest on Long Island and elsewhere. The service can arrange for group dining, sightseeing, transportation from Pennsylvania Station, etc. In addition, special rates for school groups can be arranged.

*telephone for Nassau County

SUFFOLK COUNTY GOVERNMENT AND PUBLIC AGENCIES

See Huntington Hospital E49

HISTORIC SITES AND RESTORATIONS

E96 Conklin House
2 High Street
Huntington 11743 427–7045

Colonial farmhouse; period rooms; demonstrations of flax preparation and spinning; run by the Huntington Historical Society.

Indicated for grades 3–8.

Arrangements and Procedures:

Call at least 1 month in advance; 1 adult to 10 students; maximum 30 students; 25¢ per student, 50¢ per adult.

Year-round; daily except Monday; 12 noon–5 pm; school groups accommodated only 9 am–12 noon; guided tour takes about 2 hours.

Bus parking; no rest rooms; no eating facilities.

E97 St. James General Store and Hartz Drug Company
Moriches Road and Harbor Road
St. James 11780 584–5450

Mid 19th-century drug manufacturing plant and general store.

Indicated for grades K–12.

Arrangements and Procedures:

Call 1 month in advance; 1 adult to 25 students; maximum 50 students; 25¢ per student, 50¢ per adult.

Year-round; daily except Monday; 9:30 am–6 pm; student tours only in morning; visit takes 45 minutes; guided tours; specialists.

Street parking; no rest rooms; no eating facilities.

E98 Sherwood–Jayne House
Old Post Road
East Setauket 11733 941–9444

Thompson House
North Country Road
Setauket 11733 941–9444

"Saltbox" houses of early 1700, reflecting style and furnishings of the period; can be included in trip to Suffolk Museum and Carriage House in Stony Brook.

Indicated for grades 3–12.

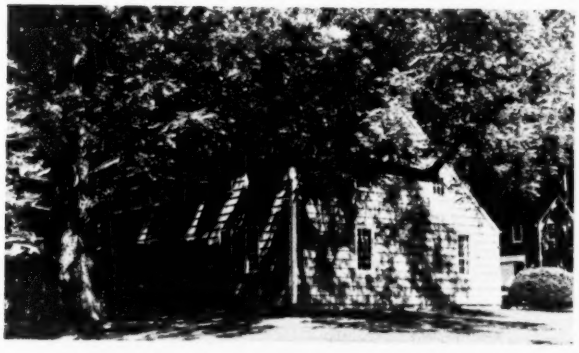
Arrangements and Procedures:

Contact 2 weeks in advance; 1 adult to 10 students; maximum 30 students; discuss fee when making contact.

May–October; daily except Tuesday; 1 pm–5 pm; visit takes 45 minutes for each house; guided tours; pamphlets.

Bus parking; rest rooms; no eating facilities.

See also Walt Whitman House E9



MUSEUMS

E99 Guild Hall
Main Street
East Hampton 11937 324–0806

Special exhibits; art collections.

Indicated for grades 3–12.

Arrangements and Procedures:

Contact in advance; 1 adult to 12 students; maximum 25 students; no charge.

Year-round; Monday–Saturday; 10 am–5 pm; visit takes 20 minutes; no guided tour; pamphlets.

Street parking; rest rooms; no eating facilities.

E100 Home Sweet Home Museum
14 James Lane
East Hampton 11937 324–0713

Birthplace of John Howard Payne, composer of "Home Sweet Home"; 17th-century saltbox farmhouse; period furnishings.

Indicated for grades 4–8.

Arrangements and Procedures:

Contact 1 week in advance; 1 adult to 10 students; maximum 45 students; no charge.

Year-round; weekdays except Tuesday; 10 am–12 noon; 1:30 pm–4:30 pm; visit takes 60 minutes; guided tour; pamphlets.

Street parking; no rest rooms; no eating facilities.

Society for the Preservation of Long Island Antiquities

E101 Long Island Collection
159 Main Street
East Hampton 11937 324–0222

Displays on whaling, Indians, Long Island history; housed in historic building.

Indicated for grades 3–8.

Arrangements and Procedures:

Contact 1 week in advance; 1 adult to 15 students; maximum 30 students; no charge.

Year-round; Wednesday–Friday; 11 am–4 pm; visit takes 30 minutes; no guided tour.

Street parking; rest rooms; no eating facilities.

E102 Suffolk County Historical Society Museum
300 West Main Street
Riverhead 11901 721–2881

Large collection of Indian artifacts; exhibits on early history of eastern Long Island; paintings; doll collection; boat models.

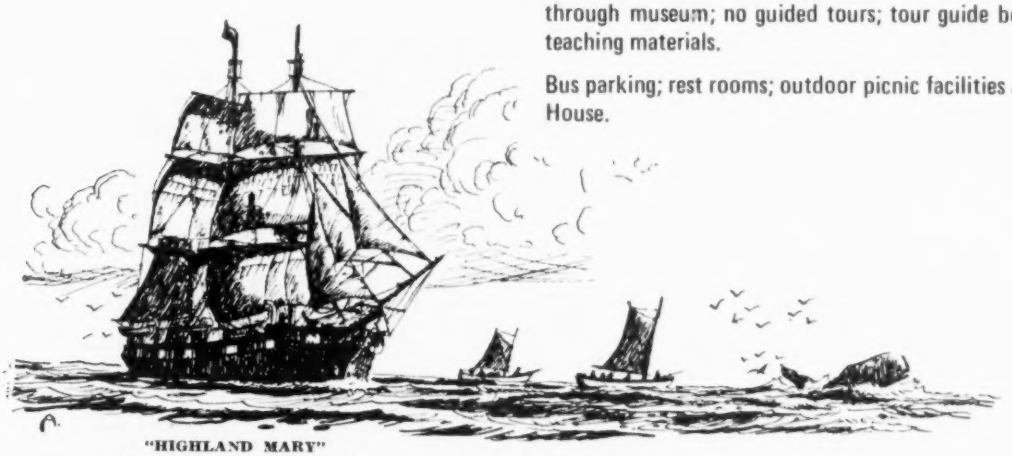
Indicated for grades 3–8.

Arrangements and Procedures:

Contact 4 weeks in advance; 1 adult to 10 students; maximum 50 students; no charge.

May–October; weekdays and Saturday; 1 pm–5 pm; November–April; 12 noon–4 pm; visit takes 60 minutes; guided tours.

Bus parking; limited rest rooms; no eating facilities.



"HIGHLAND MARY"
Sag Harbor Whale Ship - 1850

E103 Suffolk County Whaling Museum of Sag Harbor
Main Street, P.O. Box 327A
Sag Harbor 11963 725–0770

Early whaling and local history exhibits.

Indicated for grades K-12.

Arrangements and Procedures:

Contact 1 week in advance; 1 adult to 10 students; maximum 300 students; no charge.

May 15–September 30; daily 10 am–5 pm; visit takes 60 minutes; no guided tours but curator available; pamphlets.

Street parking; rest rooms; no eating facilities.

E104 Suffolk Museum and Carriage House
Stony Brook 11790 751–0066

Suffolk Museum: exhibits emphasizing Long Island history; cobbler shop; country store; Indian habitat; natural history.

Carriage House: collection of motorless and horse-drawn vehicles; blacksmith shop.

Indicated for grades 3–12.

Arrangements and Procedures:

Contact 2 months in advance; 1 adult to 12 students; maximum 50 students; group rates (for 24 students, 2 adults) museum $8. Carriage House $10.; individual rates museum 75¢ adults, 50¢ students; Carriage House $1.50 adults, 50¢ students; combination rate (Museum and Carriage House) $1.75 adults, 75¢ students.

Year-round; daily; 10 am–5 pm; visit to museum takes about 60 minutes; to Carriage House about 2 hours; appointment to visit Stony Brook Gristmill may be made through museum; no guided tours; tour guide booklet and teaching materials.

Bus parking; rest rooms; outdoor picnic facilities at Carriage House.

E105 Vanderbilt Museum
Box F, Little Neck Road
Centerport 11721 261–5656

Mansion of Spanish-Moroccan design, reflecting the interests of the late Commodore Vanderbilt in such varied areas as art, marine life, weapons and wildlife. A major planetarium is scheduled to open shortly.

Indicated for grades 3–12.

Arrangements and Procedures:

Contact well in advance; 1 adult to 10 students; maximum 60 students; no charge.

May–October; daily except Monday; 10 am–4 pm; visit takes 90 minutes; no guided tours, but guards explain exhibits; pamphlets may be purchased.

Bus parking; rest rooms; no eating facilities.

E106 Whaling Museum Society
Main Street
Cold Spring Harbor 11724 692-9764

Whaling history museum located in a former whaling seaport.

Indicated for grades 2–7.

Arrangements and Procedures:

Contact 2–3 weeks in advance; call 692–9764 or 427–0836; 1 adult to 12 students; maximum 50 students; $5. per group.

May–October; shown by appointment; visit takes 45 minutes; guided tour; pamphlets.

Street parking; rest rooms; no eating facilities.

TOURS

E107 Abraham & Straus in Huntington
Walt Whitman Shopping Center
Huntington Station 11746 427–7200

Tour of entire store, including delivery and packing areas; special tours during holidays, especially Christmas.

Indicated for grades 1–6.

Arrangements and Procedures:

Contact 1 week in advance; 1 adult to 8 students; maximum 25 students; no charge.

Year-round; daily; tours given in mornings; 10 am–12 noon; visit takes 20 minutes; guided tour.

Parking; rest rooms; restaurant in store.

See also Security National Bank E27

NEW YORK CITY GOVERNMENT AND PUBLIC AGENCIES

See United States Coast Guard Base E29

HISTORIC SITES AND RESTORATIONS

E108 Abigail Adams Smith House
421 East 61st Street
New York 10021 212–838–5489

Eighteenth-century house and furnishings and garden; period of President John Adams; operated by the Colonial Dames of America.

Indicated for grades 4–12.

Arrangements and Procedures:

Contact 2 weeks in advance; 1 adult to 15 students; maximum 30 students; no charge.

Year-round; daily; 10 am–4 pm; visit takes 45–60 minutes; guided tour; pamphlets.

No bus parking; rest rooms; no eating facilities.

E109 Bowne House Historical Society
37-01 Bowne Street
Flushing 11354 212–359–0528

National shrine to religious freedom; house built by John Bowne in 1661; contains many relics including a bed slept in by William Penn and a 235-year-old clock in working condition.

Indicated for grades 4–12.

Arrangements and Procedures:

Contact 2 weeks in advance; 1 adult to 15 students; maximum 30 students; no charge.

School groups only Monday and Tuesday; 10 am–11 am; no visits if bad weather; visit takes 60 minutes; guided tour; specialists; pamphlets.

City parking; no rest rooms; no eating facilities.

E110 Federal Hall National Memorial
15 Pine Street
New York 10005 212–264–4367

Site of the first Capitol of the United States, inauguration of George Washington, and adoption of Bill of Rights.

Indicated for grades 3–12.

Arrangements and Procedures:

Contact 1 week in advance; 1 adult to 10 students; large groups accommodated; no charge.

Year-round; daily; 9 am–4:30 pm; visit takes 60–90 minutes; guided tour; pamphlets.

City parking; no rest rooms; no eating facilities.

E111 Fraunces Tavern
54 Pearl Street
New York 10004 212–425–1776

Oldest building in Manhattan, erected 1719; scene of General Washington's farewell to the officers of the Continental Army; meeting place of the Committee of Correspondence; operated by the Sons of the Revolution.

Indicated for grades 4–12.

Arrangements and Procedures:

Contact 2 weeks in advance; 1 adult to 15 students; maximum 60 students; no charge.

Year-round; weekdays; 10 am–4 pm; prefer groups arrive before 12 noon or after 1:30 pm; lecture and guided tour takes 30 minutes; pamphlets.

No bus parking; rest rooms; no eating facilities.

E112 Jumel Mansion, Washington Headquarters in New York
West 160th Street and Edgecombe Avenue
New York 10032 212–923–8008

Georgian house built in 1765; used by General Washington as military headquarters in 1776; historic relics and period furnishings; house reputed to be haunted.

Indicated for grades 4–12.

Arrangements and Procedures:

Contact 2 weeks in advance; 1 adult to 10 students; can handle large groups; no charge.

Year-round; daily except Mondays; 11 am–5 pm; school groups preferred Wednesday and Friday at 11 am and 1 pm; visit lasts 30–60 minutes; guided tour and, if time warrants, curator may relate some ghost stories; pamphlets.

City parking; rest rooms; box lunches can be eaten on park benches.

E113 Richmondtown Restoration
302 Center Street, Richmondtown
Staten Island 10306 212–351–9414

Restored village showing evolution of an American village over 300-year period; oldest schoolhouse in the United States; museum; farmhouse; basketmaker's shop; carriage house.

Indicated for grades K-12.

Arrangements and Procedures:

Contact well in advance; 1 adult to 15 students; maximum 45 students; no charge.

April–November; Tuesday–Friday; 10 am–5 pm; school tours scheduled only at 9:30 am, 11:30 am and 1 pm; visit takes 2–2½ hours; guided tour; specialists; pamphlets.

Bus parking; rest rooms; outdoor picnic facilities.

E114 Theodore Roosevelt Birthplace
28 East 20th Street
New Yo[illegible] 10003 212–573–6161

Boyhood home of Theodore Roosevelt; a National Historic Site.

Indicated for grades 5–12.

Arrangements and Procedures:

Contact 2 weeks in advance; 1 adult to 15 students; maximum 50 students; no charge.

Year-round; Monday–Friday; 9 am–4:30 pm; school groups preferred in the morning; visit, which includes a film and guided tour, takes about 90 minutes.

City parking; rest rooms; no eating facilities.

See also Sagamore Hill National Historic Site E91

E115 South Street Seaport Museum
16 Fulton Street
New York 10038 212–349–4310

Restored waterfront area recreating seaport as it was in the 19th century; Maritime Museum; historic ships including a schooner, a lightship, and a squarerigger which can be boarded by groups; tour includes a slide lecture describing history of the area.

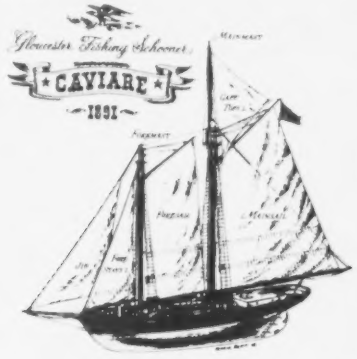
Indicated for grades 3–12.

Arrangements and Procedures:

Contact well in advance; 1 adult to 10 students; maximum 35 students; no charge.

Year-round; daily; 12 noon–6 pm; guided tour begins promptly at 10:30 am and takes 60–90 minutes; specialists; pamphlets.

City parking; rest rooms; lunch may be eaten on pier benches in favorable weather.



South Street
Seaport Museum

United States Department
of the Interior

E116 Statue of Liberty
Liberty Island
New York 212–269–5755*

Indicated for grades K–6.

Arrangements and Procedures:

No advance notice necessary; groups must be supervised by adults; students 50¢, adults $1.; 1 adult free for every 25 students.

Year-round; ferry boats from Battery Park leave every hour on the hour; Monday–Friday; 9 am–4 pm; groups should arrive at the ferry 15 minutes ahead; round trip takes 45 minutes; no guided tour; pamphlets.

City parking; rest rooms; students may bring lunches and eat on park benches.

*Ferry Service information.

New York Public Library

E117 Van Cortlandt Mansion
Broadway and 242nd Street
Bronx 10471 212–546–3323

Stone house built in 1748; operated by the National Society of Colonial Grande Dames.

Indicated for grades 5–12.

Arrangements and Procedures:

Contact 2 weeks in advance; try to have trip details firm at time of contact; 1 adult to 15 students; maximum 30 students; discuss fee when making contact.

March–January; Tuesday–Friday; 10 am–5 pm; visit takes 45 minutes; guided tour; pamphlets.

City parking; no rest rooms; no eating facilities.

BLACK HISTORY

E118 Countee Cullen Regional Branch and the Schomburg Collection
104 West 136th Street
New York 10030 212–281–0700

Visit includes Countee Cullen Branch of New York Public Library and the Schomburg Collection of Negro Literature and History; illustrated talk-tour focusing on Afro-American History; programs geared to grade level; inner-city location.

Indicated for grades 1–12.

Arrangements and Procedures:

Contact 2–3 weeks in advance; contact children's specialist for grades 1–7, young adult specialist for grades 8–12; 1 adult to 25 students; maximum 50 students; no charge.

Year-round; Monday–Saturday; 10 am–6 pm; visit takes 90 minutes; guided tour; specialists; pamphlets.

City parking; rest rooms; no eating facilities.

E119 MUSE, The Bedford-Lincoln Neighborhood Museum
1530 Bedford Avenue
Brooklyn 11216 212–774–2968

A natural history, space science and cultural history museum; anthropology and archeology exhibits; inner-city orientation; operated by the Brooklyn Children's Museum.

Indicated for grades 1–12.

Arrangements and Procedures:

Call Education Office, Tuesday–Friday; 2 pm–4 pm; they will plan a program for the class; discuss class size and number of adults to accompany the class when making arrangements.

October–June; Tuesday–Friday; 10 am–10 pm; summer hours vary; pamphlets.

Street parking; rest rooms; no eating facilities.

E120 Studio Museum in Harlem
2033 Fifth Avenue
New York 10035 212–427–5959

Changing exhibits of work by Black artists; inner-city location, orientation.

Indicated for grades 3–12.

Arrangements and Procedures:

Contact 1 week in advance; 1 adult to 15 students; maximum 60 students; no charge.

Year-round; weekdays except Tuesday; 10:30 am–2 pm; visit takes 45–60 minutes; guided tour.

City parking; rest rooms; no eating facilities.

MUSEUMS

E121 Hall of Fame for Great Americans
New York University
181st Street and University Avenue
New York 10453 212–861–2175

Outdoor colonnade with bronze busts and plaques of prominent Americans; at uptown center of N.Y.U.

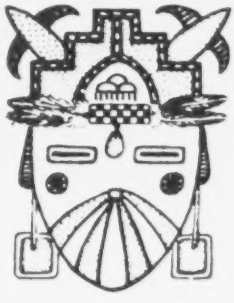
Indicated for grades 5–12.

Arrangements and Procedures:

Contact 2 weeks in advance; 1 adult to 10 students; maximum 80 students; no charge.

Year-round; daily; 9 am–dusk; visit takes 60 minutes; no guided tours; handbook with biographies of subjects available for teachers.

Bus parking; rest rooms and eating facilities (before noon) at student center.



E122 Long Island Historical Society
128 Pierrepont Street
Brooklyn 11201 212–624–0890

Children's history room; exhibits portray Indian, Dutch and English periods of 17th-century Long Island.

Indicated for grades 3–7.

Arrangements and Procedures:

Call 212–852–4592, before 11 am, 1 month in advance; 1 adult to 8 students; maximum 30 students; no charge.

October–June; Tuesday–Saturday; 10 am–12 noon; lecture and guided tour takes 80 minutes; pamphlets.

City parking; no rest rooms; no eating facilities.

E123 Museum of the American Indian
Heye Foundation
Broadway at 155th Street
New York 10032 212–283–2420

Exhibits focus on Indian tribes of North and South America; costumes; art; crafts, archeological items.

Indicated for grades 3–12.

Arrangements and Procedures:

Contact 1–2 months in advance; 1 adult to 10 students; maximum 100 students; no charge.

September–July; daily except Monday; 1 pm–5 pm; visit takes 1½–2 hours; no guided tours; pamphlets.

City parking; rest rooms; no eating facilities.

Heye Foundation

E124 Museum of the City of New York
1220 Fifth Avenue
New York 10029 212–534–1672

Exhibits portraying the history and culture of New York City from the Dutch settlement to the present; exhibits include costumes; furniture, ship models, toys, and models of historic scenes; for school groups, a special "Planned Program" on the settling of New Amsterdam features an illustrated lecture, a "Please Touch" demonstration, a lunch period and visits to galleries.

Indicated for grades 4–12.

Arrangements and Procedures:

Call the Education Department, shortly after Labor Day, for appointment for "Planned Program"; 1 adult to 10 students; maximum 50 students; $10. per class.

Year-round; Tuesday–Saturday; 10 am–5 pm; "Planned Program" begins at 10 am and takes 3½ hours; no other guided tours; specialists.

City parking; rest rooms; students on "Planned Program" tour bring lunch and eat in auditorium.

E125 New York City Police Academy Museum
235 East 20th Street
New York 10003 212–677–1133

Exhibits on historical police items; confidence game, murder, and counterfeiting evidence; youth gang weapons; narcotics; tour includes a firearms demonstration and visit to academic classrooms and gymnasium.

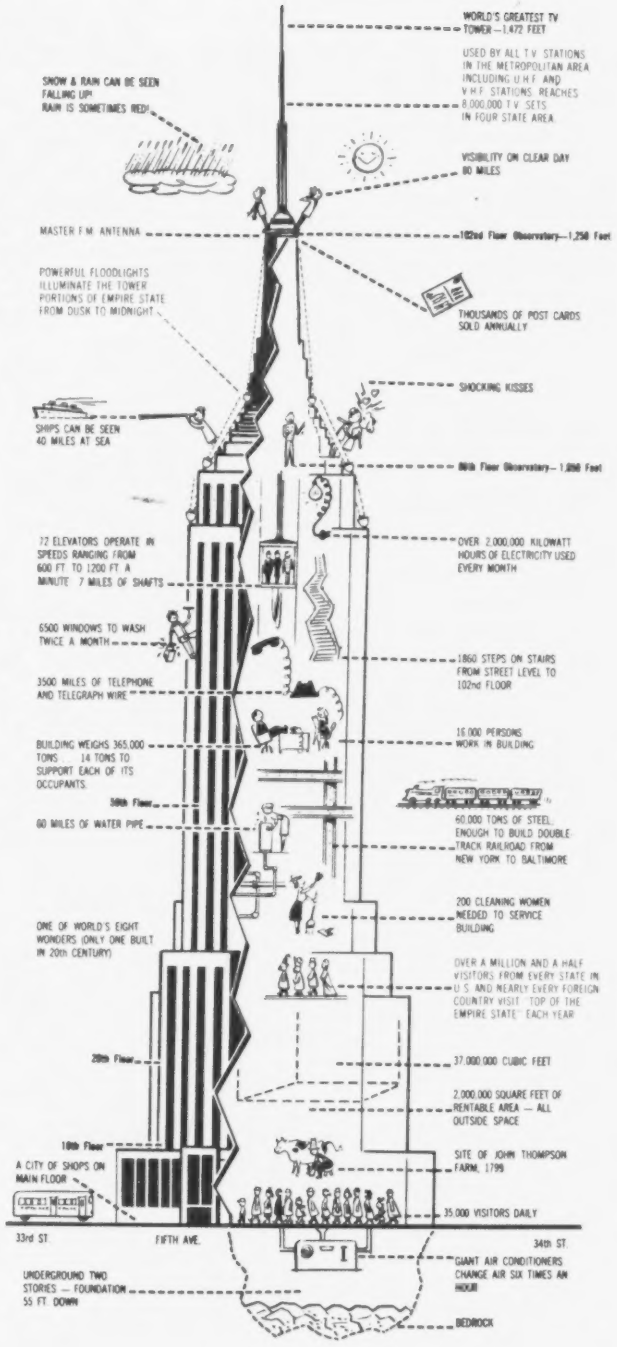
Indicated for grades 5–12.

Arrangements and Procedures:

Contact ext. 300, early in school year; 1 adult to 10 students; maximum 30 students; no charge.

Year-round; Monday–Friday; by appointment only; guided tours conducted at 10 am and 1 pm; visit takes 90 minutes; specialists; pamphlets.

City parking; rest rooms; no eating facilities.


WORLD'S GREATEST TV TOWER—1,472 FEET
USED BY ALL T.V. STATIONS IN THE METROPOLITAN AREA INCLUDING U.H.F. AND V.H.F. STATIONS. REACHES 8,000,000 T.V. SETS IN FOUR STATE AREA
SNOW & RAIN CAN BE SEEN FALLING UP! RAIN IS SOMETIMES RED!
VISIBILITY ON CLEAR DAY 80 MILES
MASTER F.M. ANTENNA
102nd Floor Observatory—1,250 Feet
POWERFUL FLOODLIGHTS ILLUMINATE THE TOWER PORTIONS OF EMPIRE STATE FROM DUSK TO MIDNIGHT
THOUSANDS OF POST CARDS SOLD ANNUALLY
SHOCKING KISSES
SHIPS CAN BE SEEN 40 MILES AT SEA
86th Floor Observatory—1,050 Feet
72 ELEVATORS OPERATE IN SPEEDS RANGING FROM 600 FT. TO 1200 FT. A MINUTE. 7 MILES OF SHAFTS
OVER 2,000,000 KILOWATT HOURS OF ELECTRICITY USED EVERY MONTH
6500 WINDOWS TO WASH TWICE A MONTH
1860 STEPS ON STAIRS FROM STREET LEVEL TO 102nd FLOOR
3500 MILES OF TELEPHONE AND TELEGRAPH WIRE
BUILDING WEIGHS 365,000 TONS. 14 TONS TO SUPPORT EACH OF ITS OCCUPANTS.
16,000 PERSONS WORK IN BUILDING
50th Floor
60 MILES OF WATER PIPE
60,000 TONS OF STEEL ENOUGH TO BUILD DOUBLE TRACK RAILROAD FROM NEW YORK TO BALTIMORE
200 CLEANING WOMEN NEEDED TO SERVICE BUILDING
ONE OF WORLD'S EIGHT WONDERS (ONLY ONE BUILT IN 20th CENTURY)
OVER A MILLION AND A HALF VISITORS FROM EVERY STATE IN U.S. AND NEARLY EVERY FOREIGN COUNTRY VISIT "TOP OF THE EMPIRE STATE" EACH YEAR
20th Floor
37,000,000 CUBIC FEET
2,000,000 SQUARE FEET OF RENTABLE AREA — ALL OUTSIDE SPACE
10th Floor
SITE OF JOHN THOMPSON FARM, 1799
A CITY OF SHOPS ON MAIN FLOOR
35,000 VISITORS DAILY
33rd ST.
FIFTH AVE.
34th ST.
GIANT AIR CONDITIONERS CHANGE AIR SIX TIMES AN HOUR
UNDERGROUND TWO STORIES — FOUNDATION 55 FT. DOWN
BEDROCK

E126 New York Historical Society
170 Central Park West
New York 10024 212–873–3400

Exhibits on early America, including collection of Audubon's "Birds of America"; paintings; American history and art history programs.

Indicated for grades 4–12.

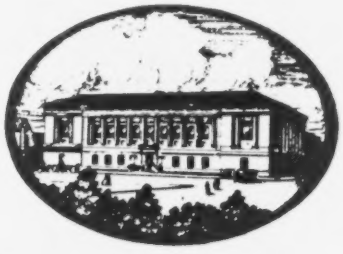
Arrangements and Procedures:

Contact Education Department, 2 weeks in advance; 1 adult to 15 students; maximum 60 students; no charge.

Year-round; daily except Monday; 1 pm–5 pm; guided tours available in the afternoon; special sessions for school groups, including films or slides and guided tours conducted at 10 am, 11 am or 1 pm; session takes 60 minutes; preparatory materials available for teachers; pamphlets.

City parking; rest rooms; no eating facilities.

See also American Museum of Natural History E70; Brooklyn Museum E10; Fire Department Museum E68; Metropolitan Museum of Art E14; Staten Island Institute of Arts and Sciences E79; Whitney Museum of American Art E16



TOURS

E127 American Stock Exchange, Visitors' Gallery
86 Trinity Place
New York 10006 212–938–2464

Tour of stock exchange includes a movie; visit to a model trading post; visit to balcony overlooking trading floor.

Indicated for grades 4–12.

Arrangements and Procedures:

Contact 2 weeks in advance; group under adult supervision; maximum 60 students; no charge.

Year-round; weekdays; 9:45 am–3:30 pm; visit takes 30 minutes; guided tour; specialists; pamphlets.

City parking; no rest rooms; no eating facilities.

E128 Chase Manhattan Bank Money Museum
1254 Avenue of the Americas
New York 10020 212–552–1046

Exhibits of coin and paper currency; items used for money through the ages.

Indicated for grades 5–12.

Arrangements and Procedures:

Contact in advance; 1 adult to 10 students; maximum 40 students; no charge.

Year-round; Tuesday–Saturday; 10 am–5 pm; visit takes 30 minutes; no guided tour; specialists; pamphlets.

City parking; no rest rooms; no eating facilities.

E129 Circle Line Sightseeing Yachts
Pier 83, West 43rd Street
New York 10036 212–563–3200

Guided cruise around Manhattan Island.

Indicated for grades K–12.

Arrangements and Procedures:

Contact 1 month in advance; minimum group size 15; group rate (under 12 years) $1.25 per student and per chaperone, teachers free; (over 12) $2.25 per student and per chaperone, teachers free.

School cruises in October, May and June; at 10:30 am; guided cruise takes 3 hours; pamphlets.

Bus parking $2.50; rest rooms; snack bar; box lunches permitted.

E130 Empire State Building
350 Fifth Avenue
New York 10001 212–565–3100

One of the world's tallest buildings.

Indicated for grades K–8.

Arrangements and Procedures:

Contact in advance for large groups; sufficient adult supervision; students under 12, 64¢ each; students 12–18, 80¢ each; adults, $1.27 each, one adult chaperone free for each 20 students.

Year-round; daily; 9:30 am–midnight; visit to observatory takes 60 minutes; no guided tours; pamphlets.

City parking; rest rooms; no eating facilities.

E131 John F. Kennedy International Airport
Port of New York Authority
Jamaica 11430 212–656–4398

Third largest airport in the world; situated on 5000 acres; domestic and international passenger and freight operation.

Indicated for grades 3–12.

Arrangements and Procedures:

Contact Tour Department, as far in advance as possible; 1 adult to 7 students; maximum 60 students; no charge.

Year-round; weekdays; at 10 am and 1 pm; 60–90 minute guided tour consists of orientation and bus tour using school bus and driver.

Parking; rest rooms; no eating facilities.

See also Burlington Industries E28; United States Coast Guard E29

WORLD CULTURE

E132 Asia House Gallery of the Asia Society, Inc.
112 East 64th Street
New York 10021 212–751–4210

Exhibits of Asian art; special programs featuring films and slide-lectures.

Indicated for grades 1–12.

Arrangements and Procedures:

Contact 2–3 weeks in advance; 1 adult to 15 students; maximum 60 students; no charge.

September–June; weekdays; 10 am–5 pm; group visits scheduled only from 10 am–12 noon; gallery closed between exhibits; visit to gallery takes 30–45 minutes; film program geared to group takes 30 minutes; no guided tour; teaching materials available in advance.

City parking; rest rooms; no eating facilities.

Asia House Gallery

E133 Chinese Museum
7 Mott Street
New York 10013 212–964–1542

Exhibits of Chinese culture; including curios; food and history exhibits; and a roaring dragon; museum sponsors a walking tour of Chinatown.

Indicated for grades 1–12.

Arrangements and Procedures:

Contact in advance; 1 adult to 15 students; maximum 60 students; 25¢ students, 35¢ adults; walking tour of Chinatown, 25¢ each.

Year-round; daily; 10 am–10 pm; lecture-tour of museum lasts 30 minutes; specialists.

City parking; rest rooms; arrangements for lunch can be made with Chinese restaurants in the area.

E134 Chinese Temple (Eastern States Buddhist Temple)
64 Mott Street
New York 10013 212–226–9770

Buddhist temple; groups visiting the temple hear a recording explaining the religious customs and the temple.

Indicated for grades 1–12.

Arrangements and Procedures:

Contact in advance; 1 adult to 15 students; maximum 50 students; no charge.

Year-round; Monday–Friday; 9 am–10 pm; may be visited on trip to Chinese Museum.

City parking; no rest rooms; no eating facilities.

E135 The Cloisters, The Uptown Branch of the Metropolitan Museum of Art
Fort Tryon Park 10040 212–923–3700

Indoor and outdoor museum of medieval art; tapestries; sculpture; parts of cloisters from medieval monasteries.

Indicated for grades 3–12.

Arrangements and Procedures:

Contact 1 month in advance for tour; 1 adult to 15 students; maximum 30 students; voluntary charge, discuss when making contact.

Year-round; Tuesday–Friday; 10 am–4:45 pm; guided tours scheduled at 11 am; visit takes 60 minutes; specialists.

Bus parking; rest rooms; cafeteria nearby in park.

E136 Hispanic Society of America
Broadway at 155th Street
New York 10032 212–926–2234

Arts of Spain from antiquity to the present; exhibits include paintings, ceramic collections, wood carvings, silver work and furniture.

Indicated for grades 4–12.

Arrangements and Procedures:

Call ext. 31, between 9 am and noon, 3 weeks in advance; 1 adult to 10 students; maximum 50 students; no charge.

Year-round; Tuesday–Saturday; 10 am–4:30 pm; visit takes 45–60 minutes; no guided tours, but a limited number of Acousticguide recorded tours available for rental at 75¢ for 2 persons; teaching materials consisting of a slide and record package available in advance of visit for $1.

City parking; rest rooms; no eating facilities.

E137 Jewish Museum
1109 Fifth Avenue
New York 10028 212–749–3770

Exhibition of Jewish ceremonial objects and ritual art.

Indicated for grades 3–12.

Arrangements and Procedures:

Contact 2 weeks in advance; 1 adult to 8 students; maximum 50 students; 25¢ each.

Year-round; Monday–Thursday; 12 noon–5 pm; Friday; 11 am–3 pm; visit takes 75 minutes; no guided tours.

City parking; rest rooms; no eating facilities.

E138 United Nations
First Avenue and 45th Street
New York 10017 212–754–1234

Tour includes information about the United Nations structure, aims and activities, as well as an explanation of the architecture and artwork in the building; film showings; students in grades 9–12 may attend an official United Nations meeting.

Indicated for grades 1–12.

Arrangements and Procedures:

Contact well in advance for appointment; 1 adult to 25 students; groups divided into 25 for each tour; guided tour; students 50¢, adults $1.50.

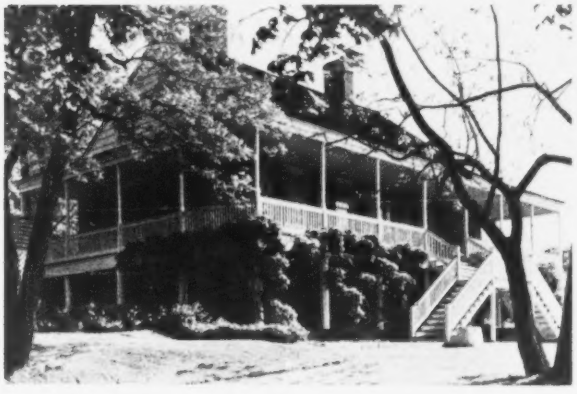
Year-round; daily; 9 am–6 pm; guided tours conducted 9:15 am–4:30 pm; tour takes 60 minutes; films take 60 minutes; specialists; pamphlets.

City parking; rest rooms; small coffee shop but no facilities for box lunches.

See also Brooklyn Museum E10; Jacques Marchais Center of Tibetan Arts E12; Metropolitan Museum of Art E14; Museum of Primitive Art S93

OUT OF TOWN HISTORIC SITES AND RESTORATIONS

Many places of significant interest are within one or two day's trip of Nassau County. The few out-of-town sites listed below are popular field trip resources for school groups. It is suggested that teachers contact them early in the school year to arrange a group visit.



E139 Museum Village of Smith's Clove
Route 17
Monroe, New York 10950 914–782–8247

A restored, early American village with 39 19th-century buildings; craft shops feature demonstrations; museum; student groups must have advance reservation; lecture and guided tour; group rates; open April 15–October 31; daily; 10 am–6 pm.

E140 Home of Franklin D. Roosevelt
National Historic Site
Hyde Park, New York 12538 914–229–9115

Home of the 32nd President of the United States; site includes house where F.D.R. was born, his gravesite, and vast grounds; no advance reservations necessary; no fees for student groups; ticket admits to Vanderbilt Mansion same day; open year-round; daily; 9 am–5:30 pm.

E141 Sleepy Hollow Restorations
P.O. Box 245
Tarrytown, New York 10591 914–591–7900

Three restorations: Sunnyside, the home of Washington Irving; Van Cortlandt Manor, an 18th-century estate; and Phillipsburg Manor, a 17th-18th century Dutch-American trading site; advance reservations required for groups; fees; open year-round; daily; 10 am–4 pm.

Sleepy Hollow Restorations

E142 **Vanderbilt Mansion National Historic Site**
Hyde Park
New York 12538 914–229–9115

19th-century millionaire's home; open year-round; daily; 9 am–5 pm; ticket also admits to F.D. Roosevelt home same day; no fees for school groups.

E143 **Mystic Seaport**
Mystic
Connecticut 06355 203–536–2631

Restored 19th-century seaport village; museum buildings; historical ships and small craft; contact well in advance for reservation; fees; open year-round; daily; 9 am–5 pm (4 pm in winter); group programs available November–April.

E144 **Old Sturbridge Village**
Sturbridge
Massachusetts 01566 617–347–3362

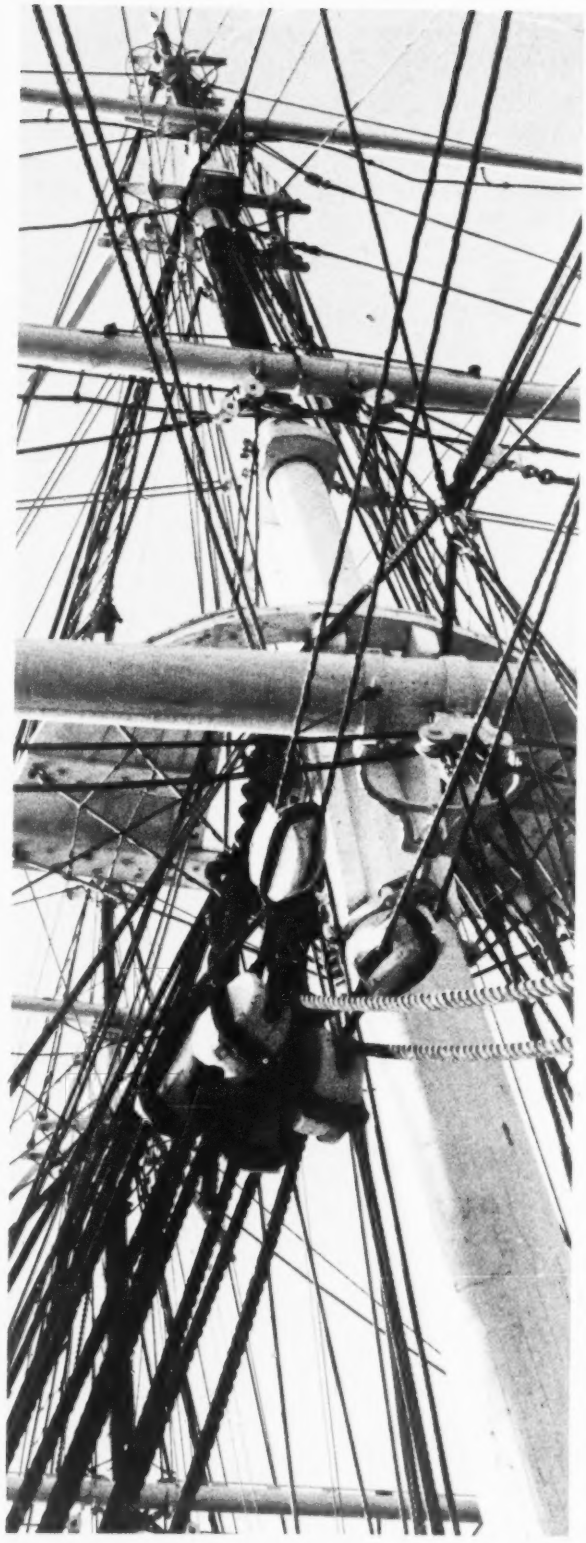
Restoration showing typical early 19th-century New England town; demonstrations of crafts; special program for students; contact early in school year for reservation; group fees; open year-round; daily; 9:30 am–4:30 pm.

MUSEUMS

See Hudson River Museum and Andrus Space Transit Planetarium E81

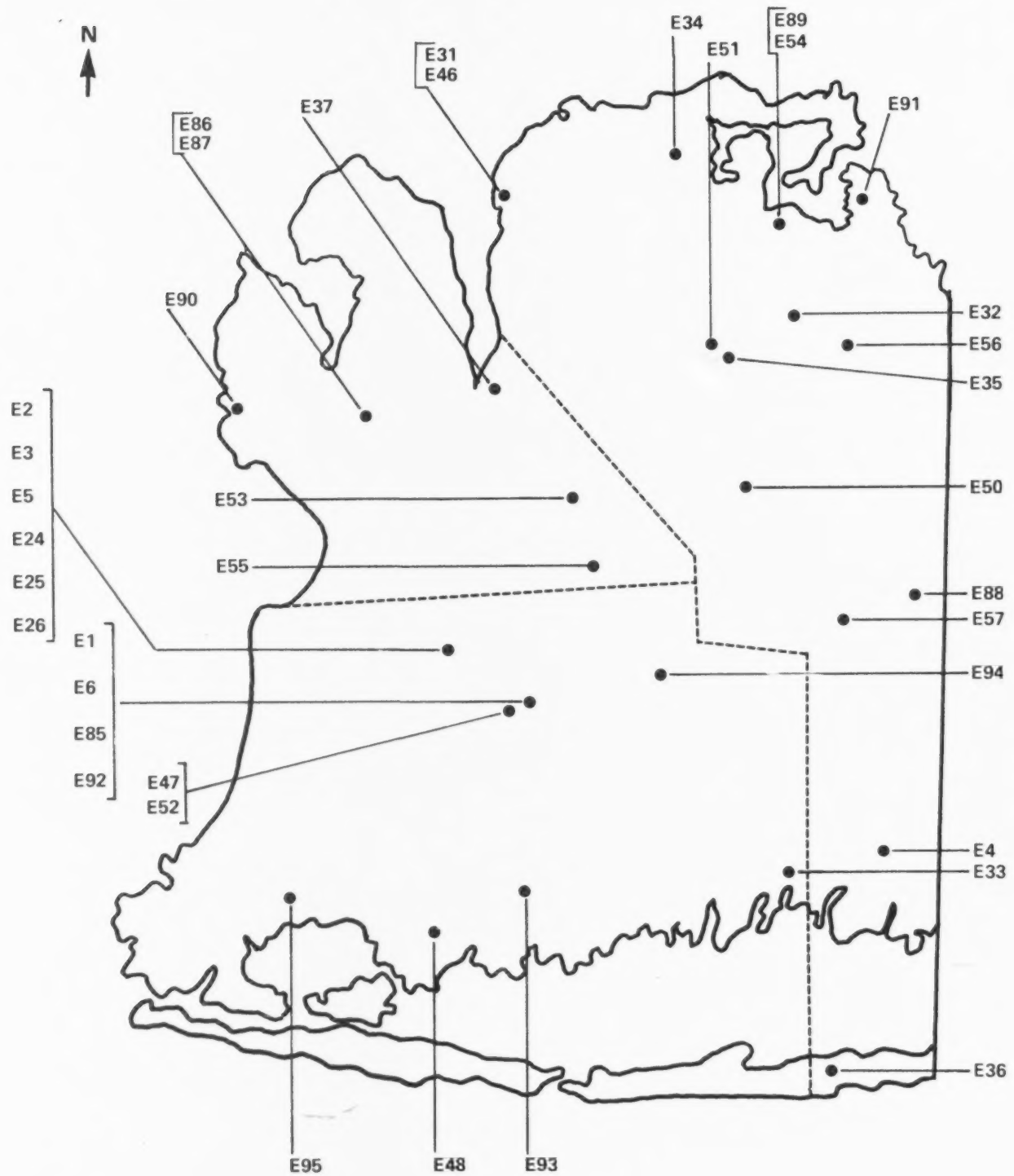
TOURS

See Edison National Historic Site E82

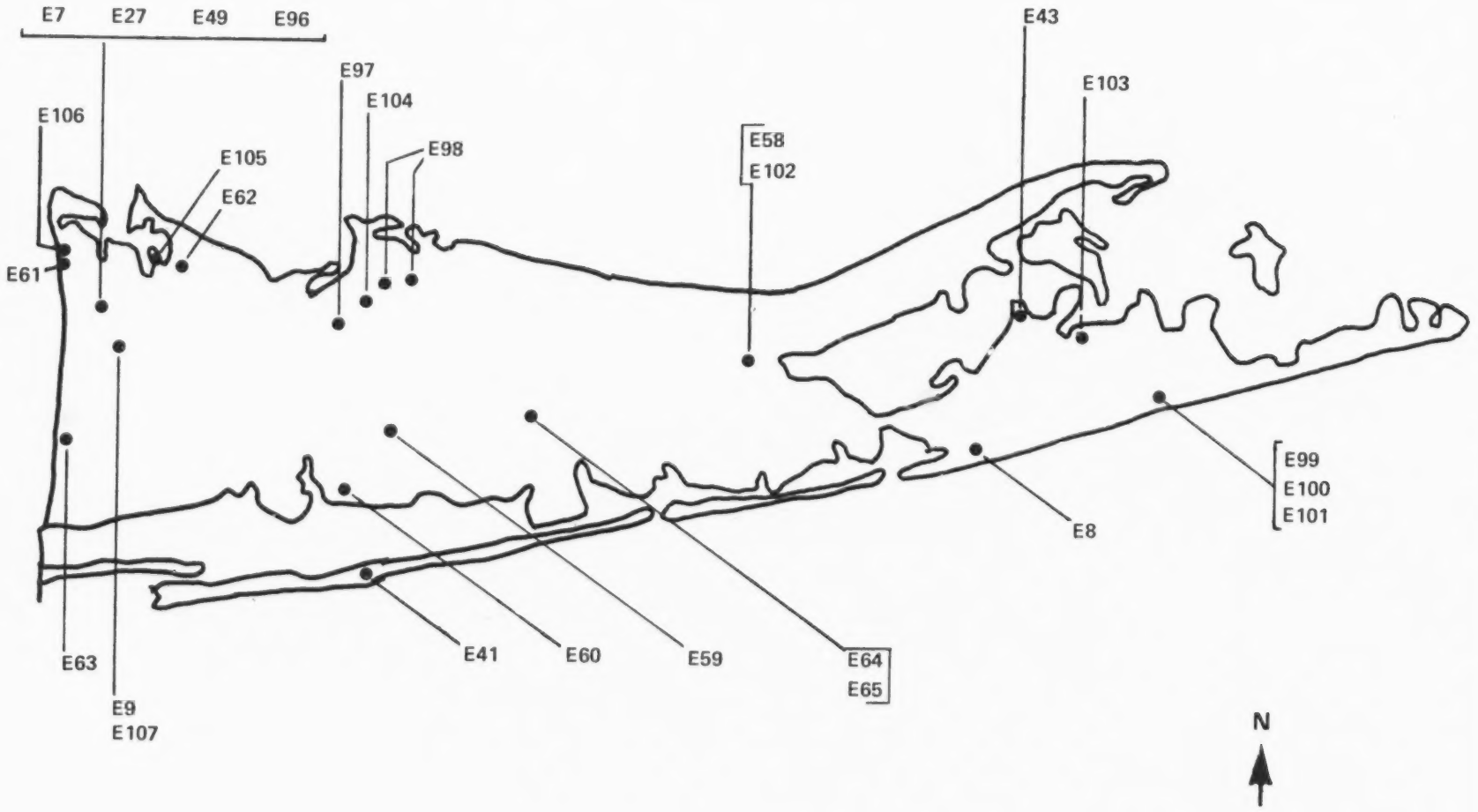


Courtesy Mystic Seaport. Photograph: R. L. Christensen

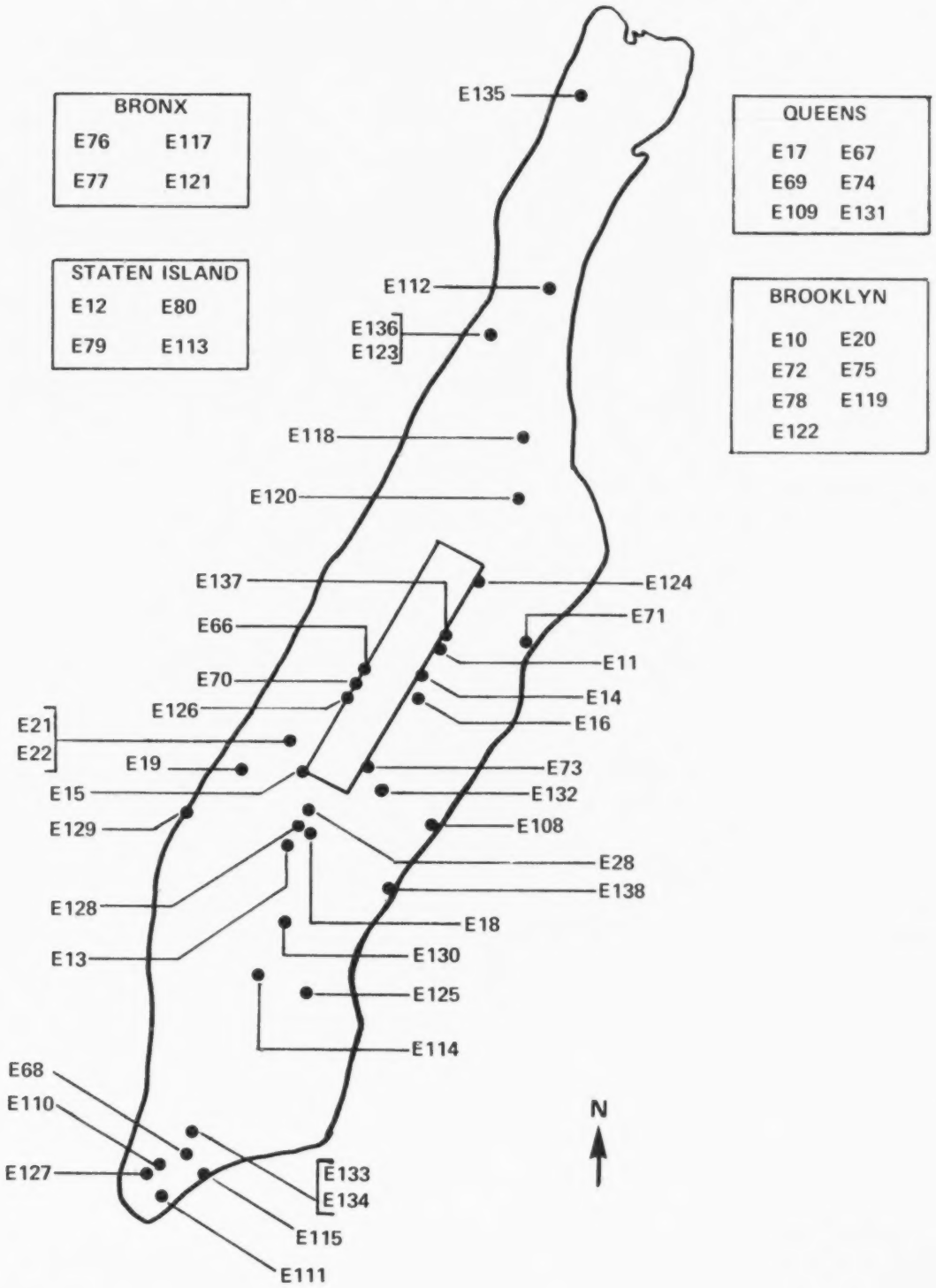
ELEMENTARY TRIPS—NASSAU COUNTY



ELEMENTARY TRIPS – SUFFOLK COUNTY



ELEMENTARY TRIPS – NEW YORK CITY



TEACHING APPROACHES

Appreciating Architecture: Styles and Examples in Nassau County

Background Study

Appreciation of architecture is very similar to an appreciation of the arts: one must learn something about it, sample it a great deal, and spend some time in consideration and evaluation of personal likes and dislikes toward buildings and architectural styles. What one generation has felt to be an exceptionally good and interesting style, another generation has rejected and destroyed. It is therefore important for each person to develop his own understanding and attitude toward architectural styles. This should initially be based at least on a study of some of the basic source books on American architecture, so that at least some of the main characteristics of various periods are known and can be recognized.

Local Relationship of Buildings

To appreciate our own local architecture, we must explore our community and discover buildings that are of interest to us, and how they particularly relate to other buildings within the community and to their own individual site. A contemporary structure overlooking Long Island Sound might have exceptional appeal to us and be an excellent example of architecture due to the relationship of the building to its site, whereas if it were located in the center of one of our mid-island villages, the building would have no particular interest.

Structure and Style

Each building must be examined as an individual structure. It has a distinctive shape that might be of historic origins—such as the salt box or gambrel roofed housed of the pre-1800's. Its windows, their placement, numbers of panes; the material of its siding, stonework, and other special characteristics have a major influence on how we judge the building. They tell us the age of a structure, its architectural style, and establish whether or not we appreciate the aesthetic appearance of the building. When dealing with historic buildings, the amount of original material is very important in our value judgment of the building. When we consider structures that are copies of an historic style of architecture, we want to look for the exactness in detail of their design and their closeness to the original model.

Contemporary Use

Contemporary buildings should also be of great interest to us and in some ways have to be viewed in a different light from older buildings. The use of new materials and methods of using concrete, glass, aluminum, and steel, have created many interesting variations in the fabric of structures. New functions and the importance of the functional use of buildings today,

Endo Labs, Inc.

Society for the Preservation of Long Island Antiquities

particularly for industrial, educational or commercial use, must be considered when we survey the architectural style of many modern structures.

Variety of Architecture

There is an enormous variety of architectural style available within our local area. Many people think only of individual houses when they attempt to classify buildings according to architectural style. Churches, schools, factories, and all of the myriad buildings that we have in our society, are part of our architectural heritage and add to the architectural landscape of our area. Quite frequently some obscure small structure can have a great deal more architectural appeal and interest and value to its neighborhood than a very large and imposing building. The relationship of structures to others surrounding them and the relationship within the structure of its own design and the scale of its design, create an aesthetic image we either enjoy or reject.

Colonial and Early American Period

Saddle Rock Gristmill, Gristmill Lane, Saddle Rock

Opened as an historic site by the County of Nassau; is an excellent example of a hewn timber frame building showing the construction technique prevalent in America from the mid-1600's to the early 1800's.

Raynham Hall, Oyster Bay

A typical example of a Colonial home of the pre-Revolutionary period.

Rock Hall, Lawrence

One of the best examples in the United States of a Georgian-style smaller manor house with many architectural details.

Early 1800's

Main Street, Roslyn

There are over a dozen structures that date from the late 1700's and early 1800's that indicate various aspects of the Federal period of architecture, including the Valentine House, which serves as village hall.

Onderdonk House on Northern Boulevard, Manhasset

An excellent example of Greek revival architecture with a full two-story front portico and balanced wings on a center block.

Mid and late 1800's

Sea Cliff area, particularly Glen Avenue and Prospect Avenue

Contains many homes from late 1800's that illustrate various aspects of the more romantic Victorian architectural styles, including Carpenter Gothic, mansard and other special building styles. Most of these are private residences but a drive through the area is very rewarding.

Garden City

Contains over a dozen buildings from the late 1800's that exhibit more fine examples of Victorian architecture, including several notable mansard roof houses.

Early 1900's

Mansion House on the Phipps Estate, Old Westbury Road, Old Westbury

An excellent example of the revival type of architecture which typified so many of the great estates on Long Island and attempted to duplicate European buildings. It is a reproduction of an English Georgian manor house in the very finest style.

Garden City Hotel, Garden City

Another example of a Georgian revival building (designed by McKim, Mead, White) of the same period, used for public purposes.

Old Courthouse, Franklin Avenue, Mineola

An excellent example of classic revival architecture of the early 1900's, with a central rotunda and classic portico.

Mid 1900's

Endo Labs, Inc. building, Stewart Avenue, Garden City

Designed by Paul Rudolph, it is an excellent example of functional modern architecture in Nassau County and winner of several architectural awards.

Hofstra University, dormitories and library, Hempstead Turnpike, Town of Hempstead

Award-winning contemporary buildings with exceptional design and unusual use of concrete structure.

A special source of the study of Long Island architecture through 1865, is the Old Bethpage Village Restoration, Round Swamp Road, Old Bethpage. It contains Long Island buildings from the early 1700's up through the mid-1800's illustrating almost all of the prevalent styles of architecture on Long Island, including Dutch influence, early gambrel roofed Federal period buildings, and many Greek revival and early Victorian structures.

Prepared by Edward J. Smits
Director, Nassau County Historical Museum

See also ARTS AND COMMUNICATIONS Teaching Approaches in Elementary section

NASSAU COUNTY FINE ARTS

S1 Fine Arts Center, C.W. Post College
Northern Boulevard
Greenvale 11548 299–2464

Changing art exhibits; paintings; sculpture.

Indicated for grades 7–12.

Arrangements and Procedures:

Contact in advance; maximum 30 students with adult supervision; no charge.

Open according to academic calendar; Monday–Friday; 9 am–5 pm; no guided tour.

Bus parking; rest rooms; no eating facilities.

S2 Fine Arts Department
New York Institute of Technology
Wheatley Road
Old Westbury 11658 626-3400

Visit to several studios, including sculpture, photography, painting, and graphics; changing art exhibits.

Indicated for grades 7–12.

Arrangements and Procedures:

Contact in writing, 2 weeks in advance; maximum 30 students with adult supervision; no charge.

Open according to academic calendar; Monday–Friday; 9 am–5 pm; visit takes 20 minutes; guided tour may be arranged.

Parking; rest rooms; no eating facilities.

See also local newspaper listings of exhibits and art shows; Emily Lowe Gallery E1; Firehouse Gallery E2

COMMUNICATIONS

See Channel 21 E3; Newsday E5; WHLI AM and FM Radio Station E6

SUFFOLK COUNTY FINE ARTS

See local newspaper listings of current exhibits and art shows; Heckscher Museum E7; Parrish Art Museum E8; Vanderbilt Museum E105

LANGUAGE ARTS

See Walt Whitman House E9; Educational Development Laboratories S34

NEW YORK CITY FINE ARTS

S3 Center for Inter-American Relations Art Gallery
680 Park Avenue
New York 10021 212–249–8950

Periodic exhibitions of Latin-American art from pre-Columbian times to the present.

Indicated for grades 7–12.

Arrangements and Procedures:

Contact a few days in advance; maximum 20 students with adult supervision; no charge.

Year-round; Tuesday–Sunday; 12 noon–6 pm; visit takes 45 minutes; no guided tour.

City parking; rest rooms; no eating facilities.

S4 China House Gallery
125 East 65th Street
New York 10021 212-744-8181

Spring and fall collections of Chinese art; exhibits focus on decorative arts; some work of contemporary Chinese artists.

Indicated for grades 7–12.

Arrangements and Procedures:

Contact 2–3 weeks in advance; 1 adult to 15 students; maximum 50 students; no charge.

October–January and March–May; weekdays; 10 am–5 pm; visit takes about 30 minutes; can be visited on same trip as Asia House Gallery E132; film shown on request takes 20 minutes; no guided tour but tape available to introduce collections.

City parking; rest rooms; no eating facilities.

S5 Frick Collection
One East 70th Street
New York 10021 212–288–0700

Fine, small museum housed in the former Frick residence; choice collection of art, objects and furniture from the early Renaissance through 19th century; 18th-century decorative arts; special exhibitions and permanent collections.

Indicated for grades 7–12.

Arrangements and Procedures:

Contact 1 month in advance; visits limited to specialized school groups; 1 adult to 10 students; maximum 50 students (broken up into groups of 10 during museum visit); no charge.

Year-round; Tuesday–Saturday; 10 am–6 pm; closed Mondays, Tuesdays and Wednesday mornings during summer; no guided tours in gallery halls permitted; pamphlets.

City parking; limited rest rooms; no eating facilities.

Center for Inter-American Relations

S6 Museum of Contemporary Crafts
29 West 53rd Street
New York 10019 212–246–6840

Small museum with exhibits featuring such crafts as ceramics, textiles, woodwork and enameling.

Indicated for grades 7–12.

Arrangements and Procedures:

Contact in advance; 1 adult to 10 students; maximum 40 students; students view exhibits in groups of 20; no charge.

Year-round; Monday–Friday; 11 am–6 pm; prefer groups schedule visits at 10:30 am–10:45 am; visit takes 45 minutes; no guided tour; briefing by staff may be arranged in advance.

City parking; rest rooms; no eating facilities.

S7 Museum of Modern Art
11 West 53rd Street
New York 10019 212–956–6100*

Painting; sculpture; drawings; photography; prints from 1800's to present; outdoor sculpture garden; special exhibitions and permanent collections.

Indicated for grades 7–12.

Arrangements and Procedures:

Contact 2 weeks in advance; address letters to Room 407, Museum of Modern Art, or call 212–956–7500; 1 adult to 15 students; maximum 100 students; 75¢ per student (in groups of 10 or more); $1.75 per adult.

Year-round; daily; 11 am–6 pm; no groups scheduled on Monday; time of visit varies with interest of group; no guided tours; blocks of film tickets not available to groups.

City parking; rest rooms; no eating facilities.

*general information number

S8 Pierpont Morgan Library
29 East 36th Street
New York 10016 212–685–0008

Notable collection of rare books; illuminated and autograph manuscripts; bookbindings; drawings; changing exhibits.

Indicated for grades 9–12.

Arrangements and Procedures:

Contact 2 weeks in advance; 1 adult to 10 students; maximum 20 students; no charge.

Year-round; weekdays; 9:30 am–5 pm; unguided tour takes 60 minutes.

City parking; rest rooms; no eating facilities.

S9 Riverside Museum
310 Riverside Drive
New York 10025 212–864–1700

Contemporary painting, photography and sculpture; Tibetan and Nepalese paintings and art objects; Japanese graphics.

Indicated for grades 6–12.

Arrangements and Procedures:

Contact Museum Office, 1 week in advance; 1 adult to 10 students; maximum 35 students; no charge.

September–June; Tuesday–Sunday; 2 pm–5 pm; visit takes 60 minutes; no guided tour; specialists.

City parking; rest rooms; no eating facilities.

S10 Scalamandre Museum of Textiles
201 East 58th Street
New York 10022 212–361–8500

Textiles woven for royalty and nobility of historic importance; historic textiles; fabrics.

Indicated for grades 7–12.

Arrangements and Procedures:

Contact in advance; maximum 20 students with adult supervision; no charge.

Year-round; Monday–Friday; 9 am–5 pm; visit takes 45–60 minutes; no guided tour; pamphlets.

City parking; rest rooms; no eating facilities.

See also metropolitan area newspaper listings of current exhibits and art shows; Asia House Gallery E132; Brooklyn Museum E10; The Cloisters E135; Guggenheim Museum E11; Hispanic Society of America E136; Jacques Marchais Center of Tibetan Arts E12; Jewish Museum E137; Kodak Gallery E13; Metropolitan Museum of Art E14; New York Cultural Center E15; New York Historical Society E126; Studio Museum in Harlem E120; Whitney Museum of American Art E16; Museum of American Folk Art S91; Museum of Primitive Art S93; Ukrainian Folk Art Museum S94

COMMUNICATIONS

See National Broadcasting Company (NBC) E18; WCBS-TV E19; McGraw-Hill S51; Seventeen S56

Center for Inter American Relations

LANGUAGE ARTS

Trips for foreign language classes

Teachers of foreign languages can find a variety of field trip sources in the New York City area; cultural museums (see **World Culture** listings in **Social Studies** section); the United Nations offices; restaurants; foreign language bookstores; travel offices. Frequently, performances are given by groups representing a diversity of foreign cultures (check newspaper listings). In addition, many foreign governments have representative offices in Manhattan. These offices may be called embassy, consulate, legation, tourist bureau, mission, or information office. Each can be consulted individually about visits by students. The Manhattan telephone directories can be used to locate these resources.

PERFORMING ARTS

S11 Brander Matthews Dramatic Museum
Columbia University
412 Low Library, West 116th Street
New York 10027 212–280–3787

Theater museum featuring models of historic theaters; photographs; playbills; puppets; masks; recordings.

Indicated for grades 8–12.

Arrangements and Procedures:

Contact 2 weeks in advance; maximum 20 students with adult supervision; no charge.

Year-round; Monday–Friday; 1 pm–5 pm; visit takes 45 minutes; could be seen in conjunction with trip to professional theatrical performance; no guided tour; specialists.

City parking; rest rooms; no eating facilities.

S12 Steinway & Sons
Steinway Place
Long Island City 11105 212–721–2600

Piano factory tour; appointments should be made by music faculty only.

Indicated for grades 9–12.

Arrangements and Procedures:

Contact Public Relations Department, 2–3 weeks in advance; 1 adult to 8 students; maximum 25 students; no charge.

Year-round; weekdays; mornings preferred; guided tour takes 60–75 minutes; specialists; pamphlets.

City parking; rest rooms; no eating facilities.

S13 Live Performances at Hunter College

Reduced-price tickets are available for student groups. Address inquiries on school stationery to Mr. Montgomery Byers, Hunter College Concert Bureau, 695 Park Avenue, New York 10021 or call 212–360–2432.

S14 Live Performances at New York State Theater and City Center of Music and Drama

Tickets to performances at the New York State Theater and City Center of Music and Drama are available for student groups of 20 or more. Reduced-price tickets for the New York State Theater are available only to students in grades 9–12; and to students in all grades for City Center of Music and Drama performances.

For information contact:
Subscription Office, New York State Theater
64th and Broadway
New York 10023 212–799–1000

S15 Live Performances at Lincoln Center

A number of member organizations of Lincoln Center make available reduced-rate tickets for students to attend performances of music, drama, dance and opera. Teachers should telephone or write to the separate organizations directly, at least 2 or 3 months in advance.

Metropolitan Opera and Metropolitan Opera Guild
Contact: Education Department
Metropolitan Opera Guild, Inc.
1865 Broadway
New York 10023 212–582–7500

Special matinee performances for students of junior and senior high schools holding group membership in the Metropolitan Opera Guild; special performances for all students by the Metropolitan Opera Studio; backstage tours can be arranged.

Repertory Theater of Lincoln Center
Contact: Audience Development Office
172 West 65th Street
New York 10023 212–362–7611

Reduced-price tickets for students to regular performances.

Julliard School
Lincoln Center Plaza
New York 10023 212–799–5000

Film Society of Lincoln Center
1865 Broadway
New York 10023 212–765–5100

For high school students only:

Chamber Music Society of Lincoln Center
Student Tickets, Alice Tully Hall
1941 Broadway
New York 10023 212–362–1909

New Music at Alice Tully Hall
1865 Broadway
New York 10023 212–765–5100

See also Brooklyn Academy of Music E20; Library and Museum of the Performing Arts at Lincoln Center E21; Lincoln Center for the Performing Arts E22

Lincoln Center for the Performing Arts. Photograph: Martha Swope

New York City Ballet and New York City Opera
Contact: Student Tickets
City Center of Music and Drama
130 West 56th Street
New York 10019 212–586–2828

Reduced-price tickets to regular performances.

New York Philharmonic
Contact: Philharmonic Hall
Broadway at 65th Street
New York 10023 212–874–2400 ext. 730

Reduced-price tickets for regular performances available for students in grades 9–12; Young People's Concerts for students in grades 3–8 on Saturdays; special concerts for high school students on weekdays.

OF FURTHER INTEREST . . .

Backstage Tours
145 East 49th Street
New York 10017 212–751–5737

Backstage tours of Broadway theaters; students guided through dressing rooms, theater wings, and scenery stalls by young actor or actress who will also provide details on production background of particular play and the theater itself; anecdotes about illustrious theatrical personalities are presented; students investigate behind-the-scenes operations, walk onstage, and exit through stage door.

Indicated for grades 6–12.

Arrangements and Procedures:

Contact 2 weeks in advance; tours by reservation only; may be arranged in conjunction with a matinee performance; student rate, $1.75 per person; adult chaperones admitted without charge; teacher must establish other details at time of contact.

OUT OF TOWN FINE ARTS

See Hudson River Museum and Andrus Space Transit Planetarium E81

PERFORMING ARTS

S16 **American Shakespeare Festival Theatre**
Stratford
Connecticut 06497 212–966–3900

Live performances of Shakespearean plays for student groups; costume museum; discussions following the play.

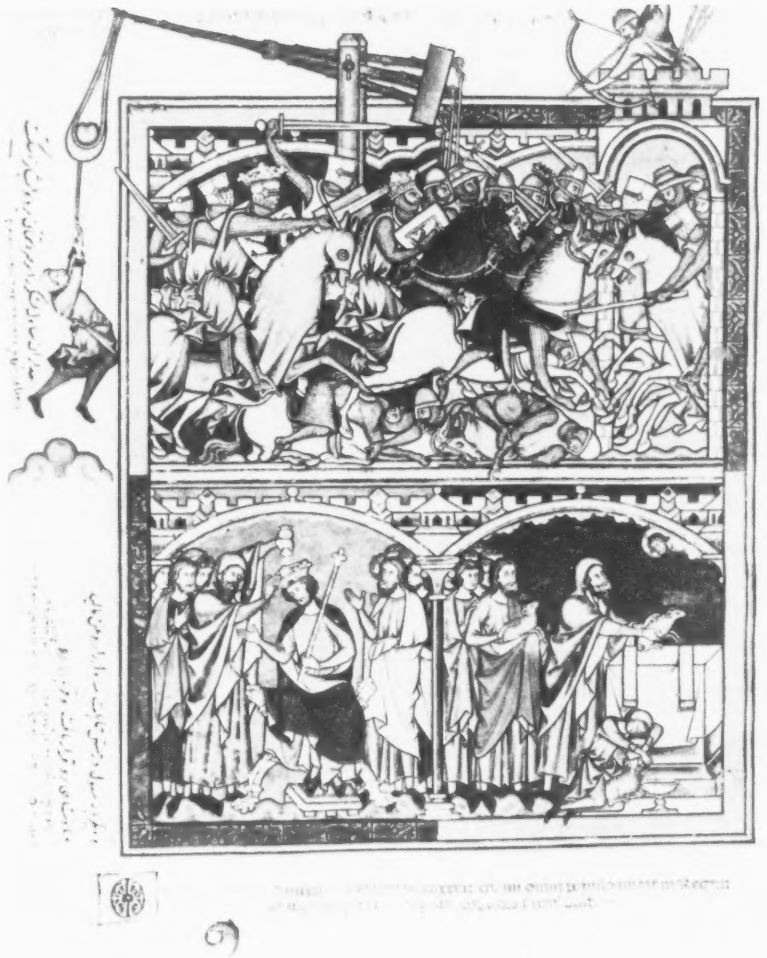
Indicated for grades 7–12.

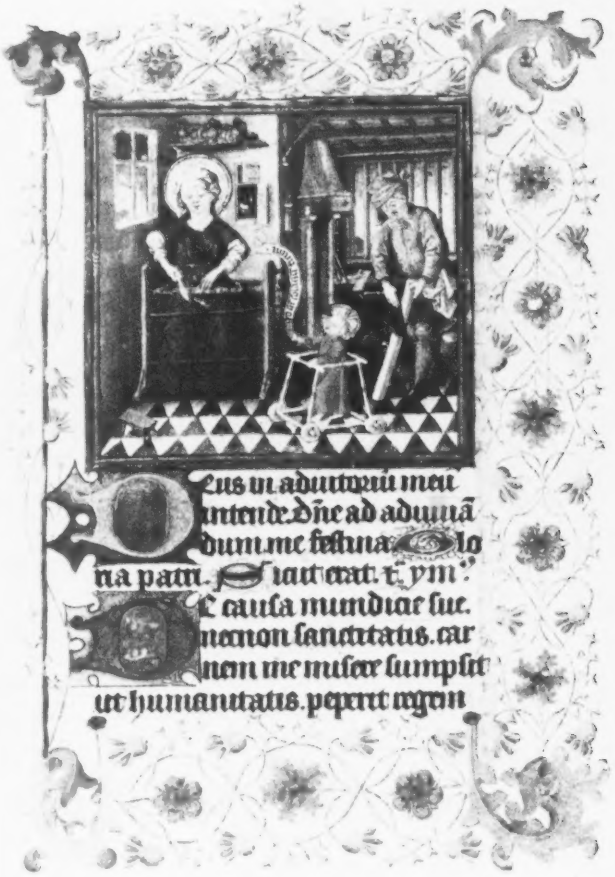
Arrangements and Procedures:

Contact well in advance for tickets; adult chaperones required; can handle large groups; reduced ticket prices for students.

March 15–June 12; daily performances at 10:30 am and 2:45 pm or at 1:30 pm; costume museum open one hour prior to performance; entire visit takes about 4 hours; no guided tour; discussion session follows play; specialists; study materials available prior to visit.

Bus parking; rest rooms; outdoor picnic facilities.





NASSAU COUNTY

S17 BOCES Occupational Schools

Nearly 50 occupational training courses are given by the schools operated by the Nassau County Board of Cooperative Educational Services. A visit to any of the schools offers an opportunity to see high school students working with a variety of sophisticated equipment and learning practical skills in a hands-on training program.

Arrangements to visit the schools can be made by contacting the individual building principals in advance. Students should be in grades 4–12; 1 adult to 10 students; maximum 30 students. Most schools can be visited in both the morning, 9 am–10:30 am, or afternoon, 1 pm–2:30 pm, sessions. Some courses are given only at one of these times

County Center
1196 Prospect Avenue
Westbury 11590 997–8400
Mr. Arthur Side, Principal

AM
Automatic Heating
Electro Mechanical Design
Major Appliance Repair
Radio & T.V. Service

PM
Banking
Computer Operations
Floral Design
Metal Fabrication
Multi-Occupational Exploration
Small Engine Repair
Transportation Customer Service

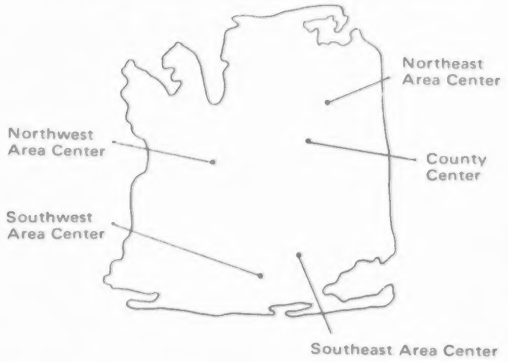
AM and PM
Aircraft Maintenance
Animal Care
Architectural Drafting
Baking
Building Mechanics
Carpentry
Child Care
Classical Cuisine
Clothing Services
Commercial Food Prep. and Food Services
Commercial Photography
Computer Operations
Dental Assistant
Diesel Engine Mechanics
Distributive Education (Special)
Fashion Design
Health Careers
Industrial Electronics
Machine Shop
Offset Printing
Ornamental Horticulture
Trade Electricity
Technical Electronics

Northeast Area Center
239 Cold Spring Harbor Road
Syosset 11791 364–1300
Mr. Glyn H. Evans, Principal

PM*
Architectural Drafting
Commercial Art
Health Services
Industrial Electronics
Medical Assisting
Offset Printing
Practical Nursing
Radio & T.V. Service
Refrigeration & Air Conditioning

AM and PM
Auto Mechanics
Beauty Shop Management
Cosmetology
Data Processing
Hairstyling

LOCATION OF
AREA OCCUPATIONAL EDUCATION CENTERS



*Afternoon sessions offer a greater opportunity to see advanced hands-on teaching approaches; introductory level classroom sessions are generally held in the morning and therefore are not listed.

Northwest Area Center
393 Jericho Turnpike
Mineola 11501 742–5300
Mr. Gerald Maystrik, Principal

AM
Health Services
PM*
Computer Operations
Medical Assisting
Practical Nursing
AM and PM
Auto Body Repair
Auto Mechanics
Beauty Shop Management
Commercial Art
Cosmetology
Data Processing
Hairstyling
Refrigeration & Air Conditioning

*Afternoon sessions offer a greater opportunity to see advanced hands-on teaching approaches; introductory level classroom sessions are generally held in the morning and therefore are not listed.

Southeast Area Center
2475 Charles Court
North Bellmore 11710 221–9500
Dr. John Mulski, Principal

PM*
Auto Body Repair
Beauty Shop Management
Commercial Art
Data Processing
Industrial Electronics
Radio & T.V. Service
Refrigeration & Air Conditioning
AM and PM
Auto Mechanics
Computer Operations
Cosmetology
Hairstyling
Health Services
Practical Nursing

*Afternoon sessions offer a greater opportunity to see advanced hands-on teaching approaches; introductory level classroom sessions are generally held in the morning and therefore are not listed.

Southwest Area Center
10 Henry Street
Freeport 11520 868–7900
Mr. V. Frank Blasio, Principal

PM*
Auto Body Repair
Beauty Shop Management
Carpentry
Commercial Art
Commercial Food Prep. and Food Services
Data Processing
Dental Assisting
Hairstyling
Industrial Electronics
Marine Maintenance
Medical Assisting
Radio & T.V. Service
AM and PM
Auto Mechanics
Computer Operations
Cosmetology
Data Processing
Health Services
Practical Nursing

*Afternoon sessions offer a greater opportunity to see advanced hands-on teaching approaches; introductory level classroom sessions are generally held in the morning and therefore are not listed.

BOCES

S18 BOCES Division of General Services
Data Processing Center
125 Jericho Turnpike
Jericho 11753 997-8700

Data processing equipment and techniques as used by school districts in Nassau County.

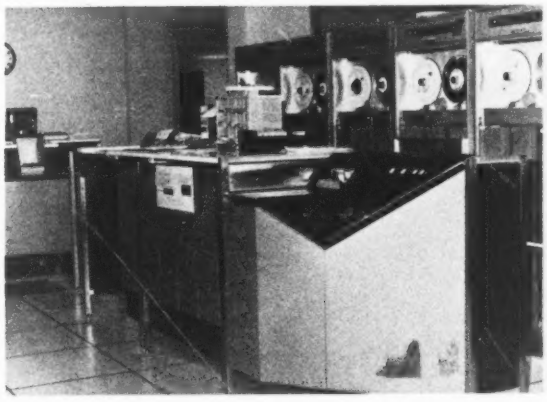
Indicated for grades 7–12.

Arrangements and Procedures:

Contact Mrs. Smirlock, ext. 305, 2 weeks in advance; maximum 25 students plus 2 adults; no charge.

Year-round; weekdays; 9 am–10:30 am and 2:30 pm–4:30 pm; time of visit varies with interest of group; guided tour; specialists.

Bus parking; rest rooms; no eating facilities.



BOCES

S19 Abraham & Straus
150 Fulton Avenue
Hempstead 11550 489–7200

Large department store; orientation to merchandising.

Indicated for grades 11–12.

Arrangements and Procedures:

Contact Personnel Manager, 3 weeks in advance; maximum 20 students; no charge.

February, May, June, September, October; mornings at 9:45; guided tour takes 60 minutes.

Parking; rest rooms; restaurant in store.

S20 Arland Printing Co., Inc.
1300 Jericho Turnpike
New Hyde Park 11040 488–3232

Complete printing plant from artwork to binding; letterpress; offset lithography.

Indicated for grades 9–12.

Arrangements and Procedures:

Contact Mr. Jay Jaffee, 1 week in advance; maximum 5 students; no charge.

Year-round; weekdays; mornings only; guided tour takes 60 minutes; specialists.

Parking; rest rooms; no eating facilities.

S21 Bache & Co.
1044 Franklin Avenue
Garden City 11530 741–4850

Long Island brokerage office; branch of large New York firm.

Indicated for grades 9–12.

Arrangements and Procedures:

Contact Manager, 1 week in advance; maximum 15 students; adequate supervision; no charge.

Year-round; weekdays; 9 am–3:30 pm; tour and lecture demonstration takes 45–60 minutes; visit may be most rewarding when coupled with a trip to the New York Stock Exchange S92 or American Stock Exchange E127; pamphlets.

Parking; rest rooms; no eating facilities.

S22 Fairchild Space and Defense Systems Division
Fairchild Camera and Instrument Corp.
300 Robbins Lane, Syosset 11791 931–4500

Industrial facility producing electronics and reconnaisance equipment.

Indicated for grades 11–12.

Arrangements and Procedures:

Contact Industrial Relations Department, 1 week in advance; maximum 14 students; no charge.

Year-round; weekdays; mornings preferred; 60-minute guided tour includes orientation, tour and critique; pamphlets.

Parking; rest rooms; cafeteria.

S23 Food Service Executives Association
1534 Broad Street
North Bellmore 11710 221–2155

Arrangements made for tours of food service facilities in hospitals, hotels, schools, or restaurants in New York City or on Long Island; complete operation explained; geared to students studying or interested in food service careers.

Indicated for grades 9–12.

Arrangements and Procedures:

Contact Mr. Rubenstein, Chairman, Eastern and Southern Region Junior Membership, well in advance; maximum 6–8 students plus 1 adult; no charge.

Tours by appointment only; time of visit varies with type of site; average visit takes 1–2 hours; guided tour; specialists.

Since the site for the visit depends on the group, the teacher should get the necessary information on parking, rest rooms, and eating facilities when making the contact.

S24 Horticulture Division, Eisenhower Park
Hempstead Turnpike
East Meadow 11554 292–4116

Tour of horticulture facilities used in all county parks; greenhouses; introduction to potting, seed germination, etc.

Indicated for grades 9–12.

Arrangements and Procedures:

Contact 1 week in advance; maximum 25 students plus 1–2 adults; no charge.

Year-round; weekdays; 8 am–3:30 pm; visit takes 45 minutes; specialists.

Parking; rest rooms; no eating facilities.

BOCES

S25 Liberty Mutual Insurance Company
444 Merrick Road
Lynbrook 11563 593–8200

Policy-producing office of large insurance company; computer center; accounting operation.

Indicated for grades 10–12.

Arrangements and Procedures:

Contact Personnel Supervisor, ext. 304, 1 month in advance; 2 adults to 15 students; maximum 30 students; no charge.

Year-round; weekdays; 8:45 am–3 pm; guided tour takes 3 hours; specialists (training supervisor, employment supervisor, manager computing department); pamphlets.

Limited parking; rest rooms; cafeteria.

S26 Macy's, Roosevelt Field
Garden City 11530 746–8200

Behind-the-scenes tour; introduction to merchandising.

Indicated for grades 11–12.

Arrangements and Procedures:

Contact Public Relations Office, 2 months in advance; maximum 25 students with adult supervision; no charge.

Year-round; Monday–Friday; tours only in the morning before 11 am; visit takes 60 minutes; guided tours; specialists.

Bus parking; rest rooms; restaurant in store.

S27 Merrill Lynch, Pierce, Fenner and Smith
1615 Northern Boulevard
Manhasset 11030 869–8585

Brokerage house; orientation to broker's role and stock market transactions.

Indicated for grades 6–12.

Arrangements and Procedures:

Contact in writing 2 weeks in advance; 1 adult to 10 students; maximum 25 students; no charge.

Year-round; Monday–Friday; 9 am–5 pm; visit takes 30 minutes; broker talks to students; pamphlets.

Parking; rest rooms; no eating facilities.

S28 Nassau Community College
Stewart Avenue
Garden City 11530 742-0600

Two-year coeducational college; facilities of special interest include math learning center; computer center; engineering technology laboratories; health technology facilities.

Indicated for grades 11–12.

Arrangements and Procedures:

Contact Director, Office of Community Relations, ext. 368, 5 weeks in advance; maximum 25 students; no charge.

October–April; weekdays; hours by appointment; guided tour takes 60 minutes; specialists; pamphlets.

Parking; rest rooms; cafeteria.

S29 New York Telephone Company
199 Fulton Avenue
Hempstead 11550 822–9950

Three facilities available:
Hempstead–technical operations including operators, outside plant installation department, repairs, tabulation of additional message units;
Massapequa–accounting office; clerical and computer operation;
Huntington–relays on communications satellite.

Indicated for grades 6–12.

Arrangements and Procedures:

Contact School Consultant, ext. 191, to coordinate trips to all three facilities, 2 weeks in advance; maximum 20 students at Hempstead facility; 12 students at Massapequa facility; 30 students at Huntington facility; no charge.

Year-round; weekdays; by appointment; guided tours take 60–90 minutes.

Parking; rest rooms; no eating facilities.

S30 Rodale Electronics
603 Chestnut Street
Garden City 11530 248–5050

Electric assembly; assembly of airborne instruments.

Indicated for grades 11–12.

Arrangements and Procedures:

Contact Plant Manager, 6 weeks in advance; 1 adult to 10 students; maximum 20 students; no charge.

Year-round; weekdays; mornings; guided tour takes 30–45 minutes.

Parking; rest rooms; no eating facilities.

S31 Slant-Fin Corp.
100 Forest Drive
Greenvale 11548 484–2600

Metalworking facility; manufacturers of heating and air-conditioning products; electronics projects; advertising agency.

Indicated for grades 11–12.

Arrangements and Procedures:

Contact Sales or Industrial Relations Department, 2 weeks in advance; 1 adult to 6 students; maximum 12 students; no charge.

December–May; weekdays; by appointment; guided tour and orientation takes 30–45 minutes; specialists; pamphlets.

Parking; rest rooms; cafeteria.

S32 Thomson Industries
Shore Road at Channel Drive
Port Washington 11050 883–8000

Manufacturers of ball bearing bushings; sophisticated production facilities with many technological innovations.

Indicated for grades 10–12.

Arrangements and Procedures:

Contact Personnel Department, 2 weeks in advance; maximum 25 students; no charge.

Year-round; weekdays; working hours; guided tour takes 60 minutes; specialists; pamphlets.

Parking; rest rooms; cafeteria.

See also Community Hospital at Glen Cove E46; Franklin National Bank E24; Nassau-Suffolk Braille Library E47; Newsday, Inc. E5; Roosevelt Field Shopping Center E26; South Nassau Communities Hospital E48; Human Resources Center S76; Long Island Jewish Medical Center S77; Long Island Lighting Company S68; Mercy Hospital S78; Nassau County Medical Center (Meadowbrook) S79

SUFFOLK COUNTY

S33 Allstate Insurance Company
201 Old Country Road
Huntington Station 11749 421–3000

Insurance office; record processing; customer service; computer.

Indicated for grade 12.

Arrangements and Procedures:

Contact Personnel Department, 4–6 weeks in advance; 1 adult to 15 students; maximum 30 students; no charge.

September–June; Tuesday–Thursday; mornings; guided tour takes 90 minutes; pamphlets.

Parking; rest rooms; no eating facilities.

S34 Educational Development Laboratories
284 Pulaski Road
Huntington 11743 271–1600

Editorial office involved in development of multi-media instructional programs in reading and language arts; small Univac operation; particularly interesting to future teachers.

Indicated for grades 4–6 and 9–12.

Arrangements and Procedures:

Contact Advertising and Promotion Department, 1 week in advance; 1 adult to 10 students, maximum 20 students; no charge.

Year-round; weekdays; 8:45 am–5 pm; guided tour takes 60 minutes; specialists; pamphlets.

Parking; rest rooms; no eating facilities.

S35 Fairchild Industrial Product Division
Fairchild Camera and Instrument Corp.
75 Mall Drive, Commack 11725 864–8500

Audio-visual equipment assembly plant.

Indicated for grades 9–12.

Arrangements and Procedures:

Contact Industrial Relations Office, 3 weeks in advance; maximum 25 students; no charge.

Year-round; weekdays; late morning or early afternoon; guided tour takes 60–90 minutes; specialists; pamphlets.

Parking; rest rooms; limited eating facilities.

S36 Fairfield Noble Corp.
333 Smith Street
Farmingdale 11735 293–7950

Manufacturers of ladies' sportswear; entire production process from yarn to material, to finished garment, to packing and shipping process under one roof.

Indicated for grades 6–12.

Arrangements and Procedures:

Contact Plant Manager's Office, 2 weeks in advance; 1 adult to 8 students; maximum 25 students (smaller groups preferred); no charge; visitors are cautioned not to touch equipment or products.

Only a few visits can be scheduled per year; weekdays; morning or afternoon; guided tour takes 60 minutes.

Parking; no rest rooms; no eating facilities.

S37 General Electric, Hotpoint Company
336 South Service Road
Melville 11746 694–8100

This facility is the product service department; office, warehousing and service for television and appliances.

Indicated for grade 12.

Arrangements and Procedures:

Contact Training Department, 3 weeks in advance; maximum 15 students; no charge.

Year-round; weekdays; 8:15 am–5 pm; guided tour takes 60 minutes; specialists; pamphlets.

Parking; rest rooms; no eating facilities.

S38 Pilgrim State Hospital School of Nursing
West Brentwood 11717 231–8000

Nursing school located in large state hospital complex for the mentally ill.

Indicated for grades 9–12.

Arrangements and Procedures:

Contact Office of Nursing School Principal, 4 weeks in advance; 1 adult to 15 students; maximum 30 students; no charge.

Year-round; weekdays; 8 am–4:30 pm; guided tour takes 90 minutes; specialists; pamphlets.

Bus parking; rest rooms; commissary.

S39 State University of New York, Agricultural and Technical College

Farmingdale 11735 420–2000

Two-year coeducational college offers a broad variety of vocationally oriented programs in agriculture, business, industrial and medical technologies. General tours of the campus may be arranged through the admissions offices, 420–2000; details listed below.

In addition, tours of individual departments such as food processing technology, ornamental horticulture, animal science, aerospace technology, dental hygiene, nursing education, graphic arts and advertising technology, may be arranged through either Mr. Andrew Sobolsky, Admissions Counselor, Day College, or through the Office of the Assistant Dean in Charge of Community Educational Services, Evening College, 420–2238. They will try to make arrangements with the department chairman. A letter request is preferable.

Indicated for grades 9–12.

Arrangements and Procedures (for general tours):

Contact Admissions Office, 3–4 weeks in advance; maximum 35 students; no charge.

October–May; weekdays; hours by appointment; guided tour of campus plus orientation takes 1½ hours.

Parking; rest rooms; eating facilities.

S40 State University of New York at Stony Brook

Stony Brook 11790 246–5126

Public university center with special interest facilities: laboratory of earth and space science; collection of moon rocks; nuclear particle accelerator; computer center; health sciences center.

Indicated for grades 9–12.

Arrangements and Procedures:

Contact Tour Secretary in Office of New Student Affairs, 4 weeks in advance; tours are individually arranged through department chairmen; maximum 25 students; no charge.

October–May; weekdays; by appointment; guided tour tailored to group; specialists.

Parking; rest rooms; cafeteria.

S41 Underwriters' Laboratories

1285 Walt Whitman Road

Melville 11746 271–6200

Non-profit engineering and science organization; tests products and equipment in the interest of public safety.

Indicated for grade 12.

Arrangements and Procedures:

Contact Personnel Department, 6 weeks in advance; maximum 30 students; no charge.

Year-round; weekdays; visits only at 1:30 pm; guided tour takes 1½–2 hours and consists of visit to laboratories and data bank, 15-minute film and discussion; specialists; pamphlets.

Parking; rest rooms; no eating facilities.

See also Huntington Hospital E49; Security National Bank E27

NEW YORK CITY

S42 American Bakeries Company

434 West 126th Street

New York 10027 212–662–8360

All phases of baking, from flour to the finished product.

Indicated for grades 6–12.

Arrangements and Procedures:

Contact in writing Mr. Cornali, 1 month in advance; 1 adult to 8 students; maximum 30 students; no charge.

Year-round; Tuesday and Thursday; 10 am only; visit takes 40 minutes; guided tour.

City parking; rest rooms; no eating facilities.

S43 Eagle Electric Manufacturing Company, Inc.
23-10 Bridge Plaza South
Long Island City 12847 212–784–9200

Manufacturers of electrical components used in the home and by the building industry; from raw steel to the completed item.

Indicated for grades 8–12.

Arrangements and Procedures:

Contact in writing Mr. Frank Walsh, 2–3 weeks in advance; 1 adult to 10 students; maximum 20 students; no charge.

Year-round; Tuesday–Thursday; afternoons preferred; visit takes 2 hours; guided tour; due care should be exercised around equipment.

Limited parking; limited rest rooms; no eating facilities.

S44 Fashion Institute of Technology (SUNY)
227 West 27th Street
New York 10001 212–524–1300

Community college prepares students for creative and management positions in all areas of the fashion industry; fully equipped laboratories for design, merchandising and industrial management.

Indicated for grades 11–12.

Arrangements and Procedures:

Contact Office of Director of Admissions, 2 weeks in advance; no group size requirements; no charge.

October–May; weekdays; school hours; guided tour takes 60–90 minutes.

City parking; rest rooms; eating facilities must be arranged in advance.

Fashion Institute of Technology

S45 General Motors Corporation
General Motors Building
767 Fifth Avenue
New York 10022 212–486–4516

Displays relating to automobile business; medical research; molecular physics; holography exhibit consisting of illustrated images photographed by means of laser beams projected in variable perspective; air pollution control display.

Indicated for grades 7–12.

Arrangements and Procedures:

Contact Exhibit Manager, 1 week in advance; no group size or chaperone requirements; no charge.

Year-round; weekdays; 9 am–9 pm; Saturday; 11 am–7 pm; self-explanatory exhibits take 30–60 minutes to view; guided tour on request; specialists; pamphlets.

City parking; no rest rooms; no eating facilities.

S46 Hotel and Restaurant Management Department
New York City Community College
300 Jay Street, Brooklyn 11201 212–643–8386

Professional restaurant and hotel management school.

Indicated for grades 11–12.

Arrangements and Procedures:

Contact Office of Department Chairman, 4 weeks in advance; maximum 20 students; no charge.

October–May; weekdays except Thursday; 11 am–1 pm; guided tour takes 2 hours and includes free five-course lunch prepared and served by school's students.

City parking; rest rooms; lunch (see above).

S47 Hunts Point Market
Hunts Point Avenue and East Bay Avenue
Bronx 10474 212–542–2944

Nation's largest modern wholesale fruit and vegetable terminal; operated by the New York City Department of Ports and Terminals.

Indicated for grades 7–12.

Arrangements and Procedures:

Contact Manager's Office, 2 weeks in advance; 1 adult to 12 students; maximum 25 students; no charge.

Year-round; weekdays; 9 am–2 pm; guided tour takes 60 minutes.

Parking; rest rooms; snack bar.

S48 International Business Machines Corporation
590 Madison Avenue
New York 10022 212–223–4200

Exhibits of IBM products; computer center; tour geared to specific interests of group.

Indicated for grades 5–12.

Arrangements and Procedures:

Contact in writing Mr. Carl Jordan, several weeks in advance; maximum 25–30 students with adult supervision; no charge.

Year-round; weekdays; 9 am–5 pm; time of visit varies with interest of group; guided tour.

City parking; rest rooms; no eating facilities.

International Ladies Garment Workers Union.
Photograph: Jerry Soalt

S49 International Ladies Garment Workers Union (ILGWU)
1710 Broadway
New York 10019 212–265–7000

Film about history of union, tour of shops in garment center to see garments put together; recommended for students who have studied labor history.

Indicated for grades 7–12.

Arrangements and Procedures:

Contact Assistant Education Director, Education Department, 2 weeks in advance; maximum 20 students with adult supervision for garment center tour; no charge.

Year-round; weekdays; 9:30 am–5:30 pm; guided tour; film and question and answer session takes 60–90 minutes; tour takes 60 minutes; specialists; pamphlets.

City parking; rest rooms; no eating facilities.

S50 Macy's Herald Square
New York 10001 212–695–4400

Tour of various departments; designed for interests of group, e.g., advertising or merchandising.

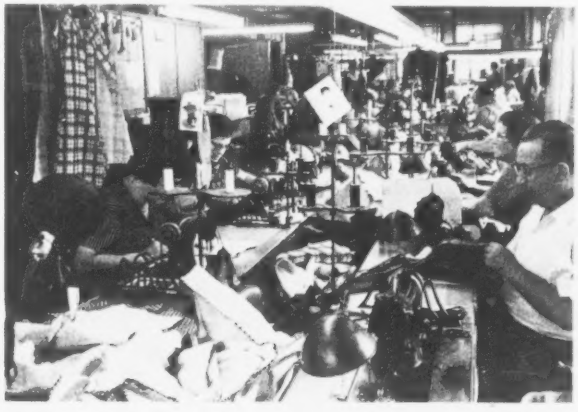
Indicated for grades 7–12.

Arrangements and Procedures:

Contact in writing Special Events Manager, 2 months in advance; give information on group's interests and specify at least 2 alternate dates for visit; 1 adult to 10 students; maximum 30 students, no charge.

Year-round; Monday–Friday; 9 am–6 pm; length of visit varies with interest of group; guided tour; specialists; pamphlets available if requested in advance.

City parking; rest rooms; restaurant in store.



S51 McGraw-Hill, Inc.
330 West 42nd Street
New York 10036 212–971–2918

Publisher of books, maps, and information services for business and industry; tours primarily for students interested in journalism or secretarial work; slide presentation; visit to various departments such as personnel and training, graphic arts, etc.

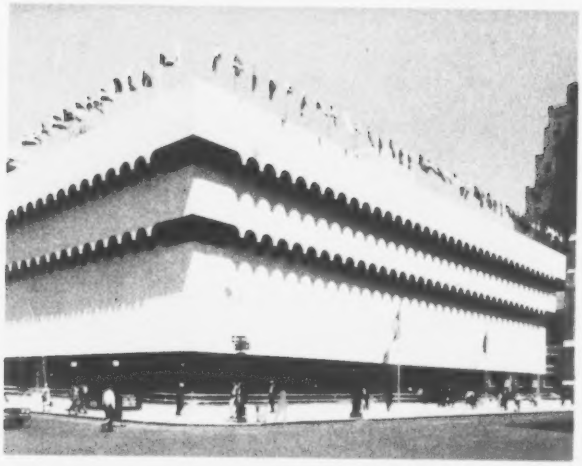
Indicated for grades 11–12.

Arrangements and Procedures:

Contact Mrs. Loughlin, 2 weeks in advance; 1 adult to 10 students; maximum 30 students; no charge.

Year-round; Tuesday–Thursday; 9.30 am–2 pm; visit takes 2 hours; guided tour; specialists; pamphlets.

City parking; rest rooms; eating facilities.



National Maritime Union

S52 National Maritime Union (NMU)
36 Seventh Avenue
New York 10011 212–924–3900

Union represents merchant seamen under American flag-ships; tour of various departments; explanation of functions, how members join union and are assigned to ships.

Indicated for grades 9–12.

Arrangements and Procedures:

Contact Security Office, Miss Vega, 2–3 days in advance; maximum group 15 students plus 2 adults; no charge.

Year-round; weekdays; tours conducted at 10 am and 2 pm; visit takes 45 minutes; specialists; pamphlets.

City parking; no rest rooms; no eating facilities.

S53 J. C. Penney Co., Inc.
1301 Avenue of the Americas
New York 10019 212–957–4840

Retail buying offices of national merchandising chain; introduction to techniques of retail buying, display, merchandising, etc.

Indicated for grades 9–12.

Arrangements and Procedures:

Contact Tour Coordinator, 4 weeks in advance; 1 adult to 10 students; maximum 40 students; no charge.

Year-round; Monday–Friday; tours given at 10 am and 2 pm; visit takes 90 minutes; guided tour; students shown a film; specialists.

City parking; rest rooms; no eating facilities.

S54 Plaza Hotel
768 Fifth Avenue
New York 10019 212–759–3000

Introduction to all hotel operations; "front" and "back of the house" departments; kitchen; hotel employment opportunities.

Indicated for grade 12.

Arrangements and Procedures:

Contact in writing Mrs. LaVerne Harper, 1 month in advance; maximum 10–15 students with adult supervision; no charge.

Year-round; weekdays; 10 am–4 pm; by appointment only; visit takes at least 2 hours; guided tour; pamphlets.

City parking; rest rooms; no eating facilities.

S55 Restaurant Associates Industries
1540 Broadway
New York 10036 212–976–6716

Operator of 13 restaurants in New York City; John Peel Room in Westbury; and restaurants at LaGuardia Airport; all aspects of restaurant operations.

Indicated for grades 9–12.

Arrangements and Procedures:

Contact Public Relations Office, by letter, 4 weeks in advance; 1 adult to 5 students; maximum 10 students; no charge.

Year-round; weekdays; 3 pm–4:30 pm; guided tour takes 30–40 minutes.

City parking; rest rooms; no snacks.

S56 Seventeen
320 Park Avenue
New York 10012 212–759–8100

Magazine's chief editorial and feature departments; including copy editing, fashion, beauty and grooming.

Indicated for grades 7–12.

Arrangements and Procedures:

Contact in writing Miss Jean Bear, Press Department, 1 month in advance; specify alternate dates; sufficient adult supervision; maximum 15 students; no charge.

Year-round; weekdays; 10:30 am–12 noon and 1:30 pm–4:30 pm; visit takes 60 minutes; guided tour.

City parking; rest rooms; no eating facilities.

S57 Simplicity Pattern Company
200 Madison Avenue
New York 10016 212–679–3700

Tour shows production of pattern from start to finish; film shows printing of pattern.

Indicated for grades 11–12.

Arrangements and Procedures:

Contact in writing Miss Ellen Halpern, Education Department, 1 month in advance; give alternate dates; maximum 20 students with adult supervision; no charge.

Year-round; weekdays; 10 am–2 pm; visit takes 60 minutes; guided tour; specialists; pamphlets.

City parking; rest rooms; no eating facilities.

S58 Sohmer Piano Company
11-02 31st Avenue
Long Island City 11106 212–274–8300

Complete process of piano manufacturing.

Indicated for grades 6–12.

Arrangements and Procedures:

Contact Mr. Valente, 1 week in advance; 1 adult to 8 students; maximum 25 students; no charge.

Year-round; Monday; 9:30 am only; visit takes 60 minutes; guided tour.

City parking; limited rest rooms; no eating facilities.

S59 Spartan Industries (Korvettes)
450 West 33rd Street
New York 10001 212–560–6629

Tour of Manhattan or suburban Korvettes stores arranged; geared to interest of group; includes a film and visits to operations and selling departments.

Indicated for grades 9–12.

Arrangements and Procedures:

Write Mr. Ryals, Personnel Department, at least 2 weeks in advance; maximum 20 students with adult supervision; no charge.

Year-round; Monday–Friday; 9:30 am–6 pm; tours arranged only by appointment; visit takes 60 minutes; guided tour; specialists; pamphlets.

City parking (except for suburban units); rest rooms; no eating facilities.

S60 Vogue–Butterick Pattern Service
161 Avenue of the Americas
New York 10013 212–255–2100

Tour shows step-by-step production of a garment from pattern to completed item.

Indicated for grades 7–12.

Arrangements and Procedures:

Contact Mrs. Soto, Education Department, ext. 255, 1 month in advance; maximum 20 students with adult supervision; no charge.

Year-round; weekdays; 10 am or 2 pm; prefer Tuesday–Thursday; visit takes 90 minutes; guided tour; specialists; pamphlets.

City parking; rest rooms; no eating facilities.

S61 Western Electric Company
222 Broadway
New York 10007 212–571–2248

Manufacturer of telephone equipment; tour of headquarters operations; transcription organization; computer facilities; teletype facilities; special tours can be arranged to suit interests of group.

Indicated for grades 7–12.

Arrangements and Procedures:

For grades 9–12, contact 2 weeks in advance; 1 adult to 12 students; maximum 25 students; no charge.

For grades 7–8, contact 571–2645, 3 weeks in advance; 1 adult to 8 students; maximum 30 students; no charge.

Year-round; Tuesday–Thursday; 9 am or 1:30 pm; visit takes about 3½ hours; guided tour; pamphlets.

City parking; rest rooms; no eating facilities.

See also American Stock Exchange E127; Burlington Industries E28; Kennedy International Airport E131; National Broadcasting Company (NBC) E18; United States Coast Guard Base E29; WCBS–TV E19; Lighthouse Industries S82; Montefiore Hospital and Medical Center S83; New York Stock Exchange S92

Port Seatrain

OF FURTHER INTEREST . . .

Hotel Association of New York City
141 West 51st Street
New York 10019 212–247–0800

Association arranges behind-the-scenes tours to New York hotels.

Arrangements and Procedures:

Send request in writing to Mr. Leslie Inch; state size of group, age, major interest, and choice of dates; teacher must establish other details noted for trips when making contact.

OUT OF TOWN

S62 Port Seatrain
Weehawken
New Jersey 07087 212–564–5500*

Largest privately-owned container terminal in the world; tours of terminal will show loading and unloading of containers. This is a tour conducted on the bus in which the group arrives, therefore only 1 bus can be accommodated at one time.

Indicated for grades 9–12.

Arrangements and Procedures:

Contact Mr. Mazzella, Director of Advertising and Public Relations, well in advance; sufficient adult supervision; no more than 1 busload; no charge.

Note–The teacher should arrange for a bus with a built-in public address system if at all possible.

Tours will be conducted only when a ship is in the port; hours and time will be arranged through Mr. Mazzella; guided tour takes 60 minutes; specialists; pamphlets.

Bus used for tour; no rest rooms; no eating facilities.

*New York phone number.

S63 United States Military Ocean Terminal
Bayonne
New Jersey 07002 201–858–6438

Largest military ocean terminal in the world; handles overseas freight.

Indicated for grade 12.

Arrangements and Procedures:

Contact Information Office, 4 weeks in advance; 1 adult to 8 students; maximum 25 students; no charge.

Year-round; second week of month on dates specified by Information Officer; guided tour includes slide presentation and bus tour; visit takes 90 minutes; cargo movement specialists.

Parking; rest rooms; cafeteria services if requested in advance.

See also ENVIRONMENTAL EDUCATION Teaching Approaches in Elementary section.

NASSAU COUNTY

S64 Bay Park Sewage Treatment Plant
Foot of Fourth Avenue
East Rockaway 11518 599–8353

Sewage treatment plant.

Indicated for grades 7–12.

Arrangements and Procedures:

Call for appointment 1 week in advance; 1 adult to 10 students; no charge.

Year-round; Monday–Friday; 9:30 am–3:30 pm; visit takes 60 minutes; guided tour.

Bus parking; rest rooms; no eating facilities.

S65 Belgrave Sewer District
34th Avenue and 255th Street
Little Neck 487–2759
(Mailing address: P.O. Box 408, Great Neck 11022)

Water pollution control plant (closed to public in 1971 during construction).

Indicated for grades 9–12.

Arrangements and Procedures:

Call Superintendent, 2 weeks in advance; 1 adult to 30 students; maximum 60 students; no charge.

Year-round; Tuesday–Friday; 9 am–2 pm; guided tour takes 2½–3 hours; specialists.

Bus parking; rest rooms; no eating facilities.

S66 City of Glen Cove Sewage Treatment Plant
Morris Avenue
Glen Cove 11542 676–2009

Secondary sewage treatment plant (waste water).

Indicated for grades 7–12.

Arrangements and Procedures:

Call for appointment, 1 week in advance; 1 adult required; maximum 30 students; no charge.

Year-round; weekdays; 9 am–4 pm; visit takes 60–90 minutes; guides tour available 10 am–12 noon or 1 pm–4 pm; specialists; pamphlets; preliminary briefing on secondary sewage treatment suggested prior to class visit.

Parking; rest rooms; no eating facilities.

S67 Hempstead Town Marine Nature Study Area
Foot of Slice Drive
Oceanside 11572 766–1580

52 acres of salt-marsh preserved in their natural state; salt-marsh ecosystem; shorebirds; tidal shallow; waterfowl; bay community; sand dune community.

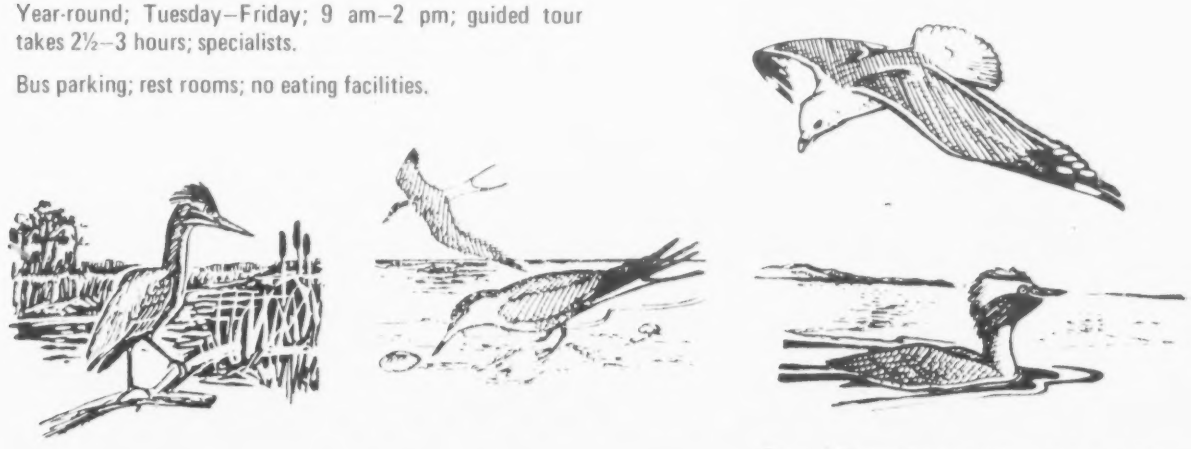
Indicated for grades 9–12.

Arrangements and Procedures:

Contact 1 week in advance; 1 adult to 10 students; maximum 25–30 students; no charge.

May–October; Wednesday–Sunday; 9 am–3 pm; guided tour takes 60 minutes; specialists; pamphlets.

Bus parking; rest rooms; no eating facilities; box lunches at nearby Oceanside Park.



Courtesy Nassau County Museum of Natural History

S68 Long Island Lighting Company
250 Old Country Road
Mineola 11501 747–1000

Utility company offers guided tours of its generating plants, operating control centers, data processing center, general offices, transportation, employment orientation.

Indicated for grades 11–12.

Arrangements and Procedures:

Contact Community Relations Department, ext. 426 or 428, 3 weeks in advance; no charge.

Year-round; daily; school hours and by appointment; guided tour of program takes 60–90 minutes; specialists; pamphlets.

Bus parking; rest rooms; no eating facilities.

Long Island Lighting Co.

S69 New York Institute of Technology Sewage Disposal Plant
268 Wheatley Road
Old Westbury 11568 626–3400

Sewage treatment plant.

Indicated for grades 8–12.

Arrangements and Procedures:

Call Office of Development, ext. 317 or 318, 1 week in advance; 1 adult to 10 students; maximum 25 students; no charge.

October–May; Monday–Friday; 9 am–5 pm; mornings preferred; length of visit depends on tour which may also include computer center, radio station and TV studio, automated physics laboratory; guided tour; teachers or technicians available.

Bus parking; rest rooms; box lunch or cafeteria.

S70 Oyster Bay Sewer District Sewage Treatment Plant
Bay Street
Oyster Bay 11771 922–4922

Sewage treatment plant.

Indicated for grades 9–12.

Arrangements and Procedures:

Contact Superintendent, 2 weeks in advance for appointment; maximum 25 students plus 2 adults; no charge; tours limited to 1 or 2 groups a month.

May–October; daily; 9 am–2 pm; guided tour takes 60–90 minutes; specialists; pamphlets; rainy days not recommended.

Bus parking; limited rest rooms; no eating facilities.

S71 Port Washington Sewer District
70 Harbor Road
Port Washington 11050 767–3334

Sewage treatment plant.

Indicated for grades 9–12.

Arrangements and Procedures:

Contact Supervisor, 2 weeks in advance; maximum 20 students and 3 adults; no charge.

Good weather months; 10 am–3 pm; tour guided by nonprofessional takes 30–45 minutes; specialists; pamphlets; due care in touring premises is advisable.

Limited bus parking; no rest rooms; no eating facilities.

S72 Town of Hempstead Refuse Disposal Plant
3737 Long Beach Road
Oceanside 11572 378–4210
(Mailing address: Department of Public Works, Town of Hempstead, 1600 Merrick Road, Merrick 11566)

750-ton disposal plant.

Indicated for grades 7–12.

Arrangements and Procedures:

Contact Commissioner of Sanitation, 2 weeks in advance; 1 adult to 10 students; maximum 30 students; no charge.

Year-round; Monday–Friday; 10 am–2 pm; guided tour takes 60 minutes; pamphlets; operational considerations may involve temporary suspension of tour availability.

Bus parking; rest rooms; no eating facilities.

S73 Town of Oyster Bay Sanitary Treatment Plant
150 Miller Place
Syosset 11791 921–3988

Sanitary treatment plant; limit visit to students with expressed interest in waste-water pollution; facility not of general interest.

Indicated for grades 9–12.

Arrangements and Procedures:

Contact Superintendent, 1 week in advance; maximum 15 students; no charge.

Year-round; weekdays; 6 am–6 pm; guided tour takes 60 minutes; specialists; pamphlets.

Parking; male rest rooms only; no eating facilities.

See also Bailey Arboretum E34; Nassau County Museum of Natural History E31–33; Nassau County Parks E39; Planting Fields Arboretum E54; Roslyn Disposal Plant E37; State Parks in Nassau County E38; Town Parks in Nassau County E40; Plant Protection Division (U.S. Department of Agriculture) S80

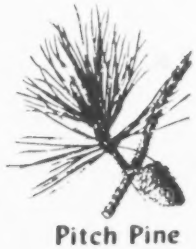
Long Island State Park Commission

Nordmann Fir

Yew

Douglas Fir

Arborvitae



Pitch Pine

SUFFOLK COUNTY

S74 Bayard Cutting Arboretum
Oakdale 11769 581–1002
(Mailing address: Long Island State Park Commission, Administration Headquarters, Belmont Lake State Park, Babylon 11702)

690-acre arboretum in setting of stream and ponds, designed as an oasis of outdoor beauty, stressing value of informal planting; display of birds, nests, eggs, seasonal items.

Indicated for grades 7–12.

Arrangements and Procedures:

Write Long Island State Park Commission, to request organized group entry permit at least 2 weeks in advance; 1 adult to 10 students; maximum 40 students; guided tour $10. per group.

Year-round; daily; 9 am–6 pm; warm months suggested; guided tour takes 120 minutes; advance notice required; unguided walks: pinetum–25 minutes, wild flower–40 minutes, rhododendron–60 minutes, bird watcher's–60 minutes, swamp cypress–25 minutes; pamphlets.

Bus parking, $4, April–October; rest rooms; snack bar mid-April–mid-October; limited to 40 persons; box lunches not permitted on premises; arrangements for transfer of group to nearby Heckscher State Park picnic area possible, if specified on application.

See also Fire Island National Seashore E41; Kennedy Wildlife Sanctuary E36; Morton National Wildlife Refuge E43; New York State Fish Hatchery E61; State Parks in Suffolk County E42

NEW YORK CITY

See American Museum of Natural History E70; New York Botanical Garden E76

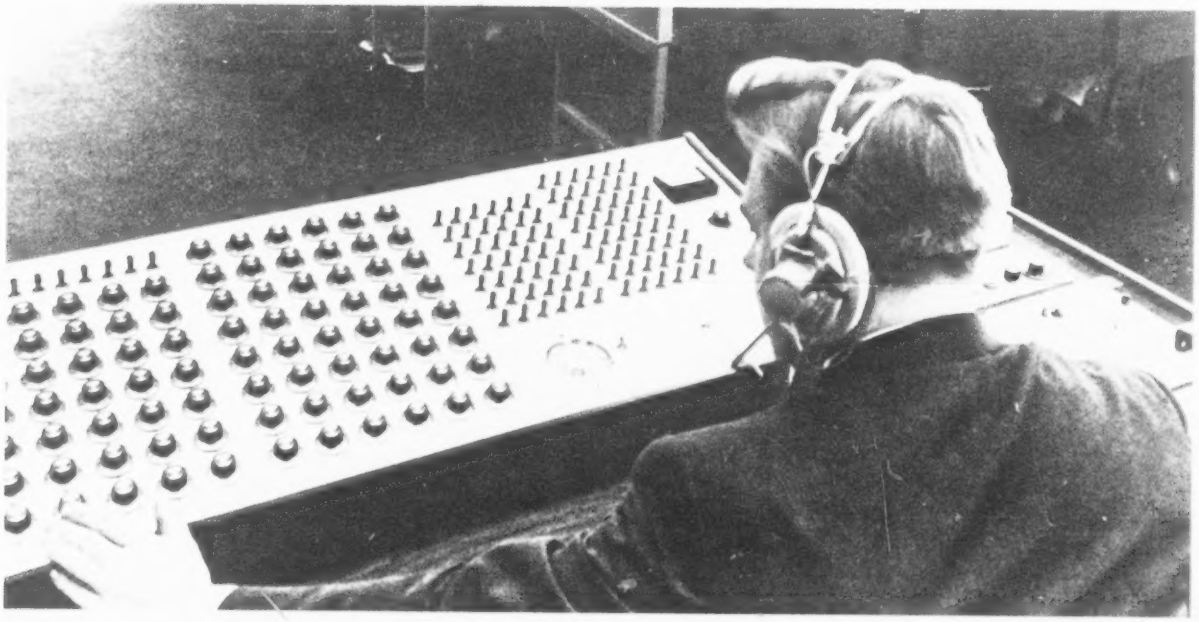
OUT OF TOWN

See Audubon Center of Greenwich E44; Indian Point-Con Edison Nuclear Power Plant E83; Out of Town Parks E45

Center for Inter-American Relations

Nassau County Department of Recreation and Parks

New York Institute of Technology



NASSAU COUNTY
HEALTH AND LIFE SCIENCES

S75 A. Holly Patterson Home
875 Jerusalem Avenue
Uniondale 11553 483–7075

County home for the aged and infirm.

Indicated for grades 10–12.

Arrangements and Procedures:

Contact Administrator's Office, 2 weeks in advance; maximum 20 students plus teacher; no charge.

Year-round; weekdays; 1 pm–4 pm; guided tour takes 60 minutes; specialists.

Parking; rest rooms; no eating facilities.

S76 Human Resources Center
I.U. Willets Road
Albertson 11507 747–2700

Industrial research training and educational facilities for the handicapped.

Indicated for grades 9–12.

Arrangements and Procedures:

Contact Director of Seminars and Tours, 3 weeks in advance; 1 adult to 15 students; maximum 30 students; no charge.

Year-round; weekdays; 9 am–noon and 1 pm–2 pm; guided tour preceded by orientation and followed by question and answer period; visit takes 60–90 minutes; pamphlets.

Parking; rest rooms; no eating facilities.

S77 Long Island Jewish Medical Center
270–05 76th Avenue
New Hyde Park 11040 437–6700

Indicated for grades 7–12.

Arrangements and Procedures:

Contact Community Relations Department, ext. 2221, 4 weeks in advance; maximum 15 students plus adults; no charge.

Year-round; weekdays; 10 am–4 pm; guided tour takes 2 hours; specialists; pamphlets.

Bus parking; rest rooms; no eating facilities.

S78 Mercy Hospital
1000 North Village Avenue
Rockville Centre 11570 764–4400

Indicated for grades 10–12.

Arrangements and Procedures:

Call Public Relations Department, 2 weeks in advance; class size of 15 preferred, otherwise class divided into 2 groups; no charge.

Year-round; Tuesday–Friday; late morning and afternoon; guided tour takes 1½–2 hours; specialists; pamphlets.

Bus parking; rest rooms; no eating facilities.

S79 Nassau County Medical Center (Meadowbrook)
2201 Hempstead Turnpike
East Meadow 11554 542–2056

Indicated for grades 7–12.

Arrangements and Procedures:

Contact Community Relations Office, 2 weeks in advance; 1 adult to 10 students; no limit on group size; no charge.

Note: Hospital has major educational exhibits for one week in May during National Hospital Week; reservations for tour and opportunity to see display should be made 2 months in advance.

Year-round; daily; 10 am–4 pm; guided tours take approximately 60 minutes; specialists; pamphlets.

Bus parking; rest rooms; special arrangements can be made for box lunches; cafeteria.

S80 Plant Protection Division
United States Department of Agriculture
Building #3, Commercial Street off New South Road
Hicksville 11801 931–0009

A federal regulatory organization; laboratory facility where soil samples gathered from potato fields are tested for insects and diseases.

Indicated for grades 6–12.

Arrangements and Procedures:

Contact 2 weeks in advance; 1 adult to 10 students; maximum 20 students; no charge.

September–April; 9 am–4 pm; guided tour takes 60–90 minutes; specialists; pamphlets.

Parking; rest rooms; no eating facilities.

See also Community Hospital at Glen Cove E46; Nassau County Museum of Natural History E31–33; Nassau County Parks E39; Nassau-Suffolk Braille Library E47; Planting Fields Arboretum E54; Roslyn Disposal Plant E37; South Nassau Communities Hospital E48; State Parks in Nassau County E38; Town Parks in Nassau County E40; Bayard Cutting Arboretum S74; Bay Park Sewage Treatment Plant S64; Belgrave Sewer District S65; BOCES Occupational Schools S17; City of Glen Cove Sewage Treatment Plant S66; Hempstead Town Marine Nature Study Center S67; Nassau Community College S28; New York Institute of Technology Sewage Disposal Plant S69; Oyster Bay Sewer District Sewage Treatment Plant S70; Port Washington Sewer District S71; Town of Hempstead Refuse Disposal Plant–Oceanside S72; Town of Oyster Bay Sanitary Treatment Plant S73

PHYSICAL SCIENCES

S81 New York Institute of Technology Automated Physics Lab

Wheatley Road
Old Westbury 11658 626–3400

Tour of physics lab includes a demonstration of the media-oriented physics course; a film, audiotape and materials used in the course; also computer printout and feedback apparatus.

Indicated for grades 9–12.

Arrangements and Procedures:

Contact Office of Development, 2 weeks in advance; 1 adult to 10 students; maximum 20 students; no charge.

September–June; weekdays; 9 am–5 pm; time of visit varies; visit may include computer center; guided tour; specialists.

Parking; rest rooms; cafeteria (students may bring box lunches).

See also Community Hospital at Glen Cove E46; Gregory Museum E50; South Nassau Communities Hospital E48; Long Island Jewish Medical Center S77; Mercy Hospital S78; Nassau County Medical Center (Meadowbrook) S79

SUFFOLK COUNTY HEALTH AND LIFE SCIENCES

See Blue Points Company E60; Fire Island National Seashore E41; Huntington Hospital E49; Kennedy Wildlife Sanctuary E36; Morton National Wildlife Refuge E43; New York State Fish Hatchery E61; State Parks in Suffolk County E42; Pilgrim State Hospital School of Nursing S38; State University of New York Agricultural and Technical College S39; State University of New York at Stony Brook S40; Underwriters' Laboratories S41

PHYSICAL SCIENCES

See Huntington Hospital E49; State University of New York at Stony Brook S40

NEW YORK CITY HEALTH AND LIFE SCIENCES

A visit to the offices of the World Health Organization and discussions with WHO personnel may be arranged through the United Nations Visitors' Service, *see* E138.

S82 Lighthouse Industries

36–20 Northern Boulevard
Long Island City 11101 212–426–7051

Factory employing 180 blind and handicapped persons; machine operators produce clothing, brooms, brushes, mops, etc.

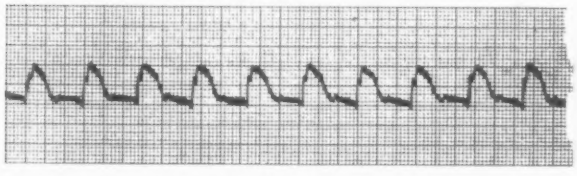
Indicated for grades 6–12.

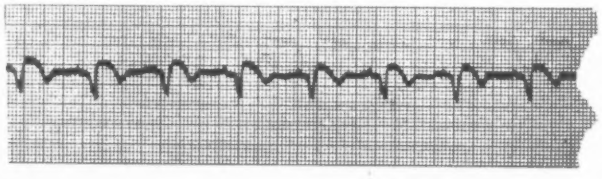
Arrangements and Procedures:

Contact Tour Manager, before 9:30 am at least 2 weeks in advance; maximum 35 students plus adults; no charge.

Year-round; weekdays; 10 am or 1 pm; guided tour takes 60 minutes; specialists; pamphlets.

Street parking; rest rooms; no eating facilities.





S83 Montefiore Hospital and Medical Center
111 East 210th Street
Bronx 10467 212–920–4021

Modern medical center complex.

Indicated for grades 10–12.

Arrangements and Procedures:

Contact Office of Associate Director, 1 month in advance; 1 adult to 6 students; maximum 30 students; no charge.

Year-round; weekdays; 10 am–noon; 2 pm–4 pm; guided tour takes 60–90 minutes; specialists; pamphlets.

City parking; rest rooms; cafeteria.

See also American Museum of Natural History E70; New York Aquarium E75; New York Botanical Garden E76; New York City Police Academy Museum E125; New York Zoological Park (Bronx Zoo) E77

PHYSICAL SCIENCES

S84 Weather Service Office, United States Department of Commerce
30 Rockefeiler Plaza
New York 10020 212–971–5561

Weather service office for New York metropolitan area.

Indicated for grades 8–12.

Arrangements and Procedures:

Contact 2 weeks in advance; maximum 10 students plus teacher; no charge.

Year-round; Tuesday and Thursday; 2 pm–4 pm; guided tour takes 30–45 minutes.

City parking; limited rest rooms; no eating facilities.

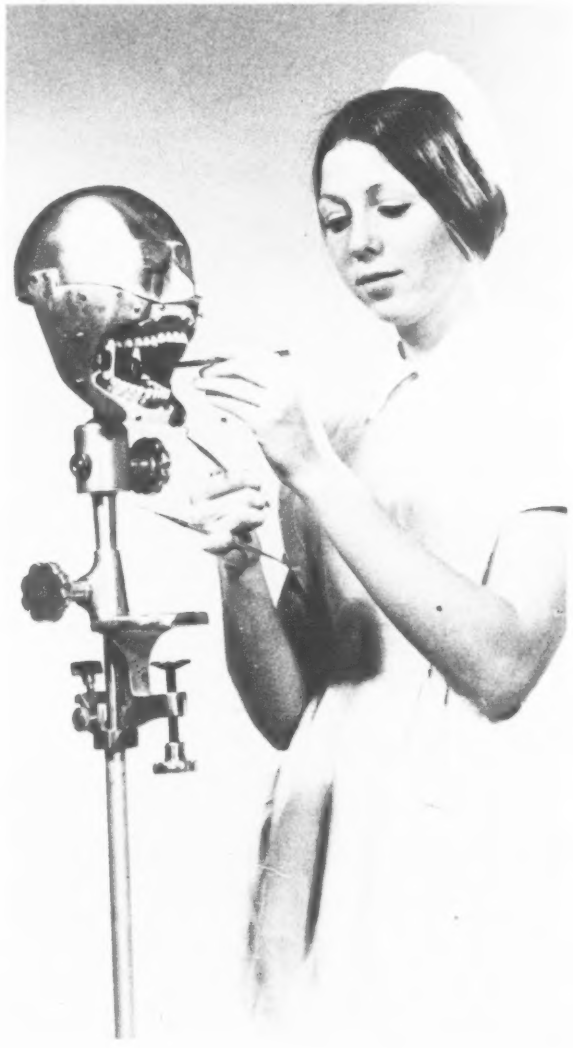
See also American Museum of Natural History E70; Hall of Science of the City of New York E69; Hayden Planetarium–American Museum E66; National Weather Service–LaGuardia Airport E67; General Motors Corporation S45; Montefiore Hospital and Medical Center S83

OUT OF TOWN HEALTH AND LIFE SCIENCES

See Audubon Center of Greenwich E44; Out of Town Parks E45

PHYSICAL SCIENCES

See Hudson River Museum and Andrus Space Transit Planetarium E81; Indian Point–Con Edison Nuclear Power Plant E83



Courtesy Nassau County Museum of Natural History

DC 94

NASSAU COUNTY GOVERNMENT AND PUBLIC AGENCIES

S85 Nassau County Republican Committee Headquarters
Garden City Hotel
Garden City 11530 741–7300

Orientation by party chairman to nature and functions of political party, county party headquarters, nomination and election of party and public officials; tour of headquarters.

Indicated for grades 7–12.

Arrangements and Procedures:

Contact Mr. Kushner, Director of Public Relations, 2 weeks in advance; minimum group of 20 students with adult supervision; no charge.

Preferably May and June; by appointment only; visit takes 60 minutes; guided tour; specialists; pamphlets.

Bus parking; rest rooms; no eating facilities.

S86 Nassau Democratic County Committee
240 Mineola Boulevard
Mineola 11501 747–7400

Orientation by party chairman to political party functions; explanation of county party organization.

Indicated for grades 7–12.

Arrangements and Procedures:

Contact Mrs. Mrozak, 1 week in advance; minimum 20–25 students with adult supervision; no charge.

Year-round; weekdays; by appointment only; afternoons preferred; visit takes 60 minutes; specialists.

Parking; rest rooms; no eating facilities.

Nassau County Board of Elections

S87 Town Hall, Town of Oyster Bay
Audrey Avenue
Oyster Bay 11771 922–5800

Tour includes visit to town clerk's office, tax office, and printing section.

Indicated for grades 6–12.

Arrangements and Procedures:

Contact Public Information Office, ext. 259, 8 weeks in advance; 1 adult to 10 students; minimum 20 students; no charge.

Year-round; Monday–Friday; group visits scheduled 10 am–12 noon and 2:30 pm–3:30 pm; visit takes 90 minutes; guided tour may be arranged; specialists; pamphlets; students given an Oyster Bay flag pin.

Parking; rest rooms; no eating facilities.

Teachers in districts whose jurisdiction coincides with that of the many incorporated villages or the cities in the county should consider a visit to the village or city halls which often include a complete spectrum of government services under one roof.

S88 Nassau County Government Offices

Tours of Nassau County government offices can be arranged by contacting each department at numbers listed below or by calling the Office of Volunteer Services, 535–3897 unless otherwise indicated; suggested maximum group size, 1 class and several adults; no charge for tours. Teachers may wish to consider scheduling visits to several government offices on the same trip. Parking and rest room facilities are available at each site; no eating facilities.

Grades 1–12:

Police Department
Franklin Avenue, Mineola 11501

Write to Commissioner of Police for appointment; daily tours 10 am–4 pm; tour takes 30 minutes; indoor pistol range, photography section, crime lab.

Grades 9–12 only:

Board of Assessors
240 Old Country Road, Mineola 11501 535–2490

Monday, Thursday, and Friday afternoons; 30-minute tour covers each of the 7 divisions with explanation of duties and operation of each.

Board of Elections
Administration Building
400 County Seat Drive, Mineola 11501 535–2300

Monday–Friday; 10 am–3 pm; tour takes 30 minutes; includes display of voting booth and sample ballots.

Board of Supervisors
1 West Street, Room 333, Mineola 11501 535–2425

Board meets Monday mornings; tour takes 60 minutes; students may sit in on meeting.

County Clerk
240 Old Country Road, Mineola 11501 535–2669

Monday–Friday; 10 am–3 pm; tour takes 30 minutes; naturalization and passport office, deeds, mortgages, court papers on file.

Motor Vehicle Bureau
1500 Privado Drive, Westbury 11590 535–2363

Monday–Friday; 10 am–3 pm; tour takes 30 minutes; tour and lecture about driver's license and registrations.

Nassau County Courts
Mineola 11501

Contact 535–2013 for appointment; minimum age of students–16; tours conducted Tuesday, Wednesday, Thursday; 9:30 am–12:30 pm.

Nassau County Jail
Carman Avenue, East Meadow 11554 535–4562

Monday–Friday; tours scheduled at 9 am–10:30 am and 1 pm–3:30 pm; 60-minute tour features booking, fingerprinting, cell tiers, jail, kitchen, chapel, classrooms, etc.

Public Works Laboratory
County Seat Drive, Mineola 11501 535–3922

Monday–Friday; 11 am and 3:30 pm; 30-minute tour includes building materials, testing facilities and demonstrations of compliance tests for Nassau County specifications.

See also Community Hospital at Glen Cove E46; Nassau–Suffolk Braille Library E47; South Nassau Communities Hospital E48; Town Hall–Town of Hempstead E85; Town Hall–Town of North Hempstead E86; A. Holly Patterson Home S75; Human Resources Center S76; Long Island Jewish Medical Center S77; Mercy Hospital S78; Nassau County Medical Center (Meadowbrook) S79

HISTORIC SITES AND RESTORATIONS

See Old Bethpage Village Restoration E88; Raynham Hall E89

BLACK HISTORY

See Black History Exhibit Center E92

MUSEUMS

S89 **Rock Hall Museum**
199 Broadway
Lawrence 11559 239–1157

Manor house; classic example of Georgian architecture; period furnishings.

Indicated for grades 7–12.

Arrangements and Procedures:

Contact 2 weeks in advance; 1 adult to 7 students; maximum 30 students; no charge.

April–November; daily except Tuesday; 10 am–5 pm; visit takes 30–60 minutes; orientation but no guided tours; specialists; pamphlets.

Bus parking; rest rooms; outdoor picnic facilities.

See also Nassau County Museum of Natural History Garvies Point Division E31; Old Gristmill Museum E95

TOURS

See Channel 21 E3; Franklin National Bank E24; Newsday, Inc. E5; Roosevelt Field Shopping Center E26; WHLI AM and FM Radio Station E6

S8 S6

SUFFOLK COUNTY GOVERNMENT AND PUBLIC AGENCIES

See Huntington Hospital E49

HISTORIC SITES AND RESTORATIONS

S90 **Sagtikos Manor**
Montauk Highway
West Bay Shore 11706 665–9218

Early 1700 colonial house; period furnishings; preserved as it was when George Washington slept there.

Indicated for grades 7–8.

Arrangements and Procedures:

Contact 2 weeks in advance; 1 adult to 10 students; maximum 60 students; no charge for students; adults 75¢.

May–September; open by appointment; visit takes 60 minutes; guided tour; pamphlets.

Bus parking; rest rooms; no eating facilities.

See also St. James General Store and Hartz Drug Company E97; Sherwood-Jayne and Thompson Houses E98; Walt Whitman House E9

MUSEUMS

See Guild Hall E99; Suffolk County Whaling Museum of Sag Harbor E103; Suffolk Museum and Carriage House E104; Vanderbilt Museum E105

TOURS

See Security National Bank E27

NEW YORK CITY GOVERNMENT AND PUBLIC AGENCIES

See United States Coast Guard Base E29; Montefiore Hospital and Medical Center S83

LABOR UNIONS

See International Ladies Garment Workers Union (ILGWU) S49; National Maritime Union (NMU) S52

HISTORIC SITES AND RESTORATIONS

See Abigail Adams Smith House E108; Bowne House Historical Society E109; Federal Hall National Memorial E110; Fraunces Tavern E111; Jumel Mansion–Washington Headquarters in New York E112; Richmondtown Restoration E113; South Street Seaport Museum E115; Theodore Roosevelt Birthplace E114; Van Cortlandt Mansion E117

BLACK HISTORY

See Countee Cullen Regional Branch and the Schomburg Collection E118; MUSE E119; Studio Museum in Harlem E120; Museum of Primitive Art S93

MUSEUMS

S91 Museum of American Folk Art
49 West 53rd Street
New York 10019 212–581–2474

Changing exhibits feature aspects of American folk art such as folk sculpture, portraits, weather vanes, figureheads.

Indicated for grades 7–12.

Arrangements and Procedures:

Contact 2 weeks in advance; group of 20 students with adult supervision; students free; adults 25¢ each.

Year-round; Tuesday–Sunday; 10:30 am–5:30 pm; visit takes 30–45 minutes; no guided tours; pamphlets.

City parking; rest rooms; no eating facilities.

See also American Museum of Natural History E70; Brooklyn Museum E10; Hall of Fame for Great Americans E121; Metropolitan Museum of Art E14; Museum of the American Indian E123; Museum of the City of New York E124; New York City Police Academy Museum E125; New York Historical Society E126; Whitney Museum of American Art E16

TOURS

S92 New York Stock Exchange, Visitors' Gallery
11 Wall Street
New York 10005 212–623–5168

Tour includes a visit to gallery overlooking trading floor; film; explanation of trading floor, computers, exchange transactions; prefer students who have studied the Stock Exchange in the classroom.

Arrangements and Procedures:

Contact Visitor's Gallery, 4–5 weeks in advance; chaperoned group; maximum 50 students; no charge.

Year-round; weekdays; 10 am–3:30 pm; visit takes 60 minutes; guided tour; specialists; pamphlets.

City parking; rest rooms; no eating facilities.

See also American Stock Exchange E127; Burlington Industries E28; Chase Manhattan Bank Money Museum E128; Circle Line Sightseeing Yachts E129; Kennedy International Airport E131; Long Island Press E17; National Broadcasting Company (NBC) E18; WCBS-TV E19; Lighthouse Industries S82

WORLD CULTURE

S93 Museum of Primitive Art
15 West 54th Street
New York 10019 212–246–9493

Art and artifacts of the indigenous civilization of the Americas, Africa, Oceania and prehistoric Asia and Europe; changing exhibitions and permanent collections.

Indicated for grades 4–12.

Arrangements and Procedures:

Contact 10 days in advance; minimum 1 adult per group; maximum 35 students; no charge.

Year-round; Tuesday–Saturday; 12 noon–5 pm; visit takes 30–45 minutes; no guided tours.

Street parking; rest rooms; no eating facilities.

S94 **Ukrainian Folk Art Museum**
2 East 79th Street
New York 10021 212–288–8660

Historical objects; folk costumes; tapestries; ceramics; handicrafts; housed in historic building built in French Gothic style; managed by the Ukrainian Institute of America.

Indicated for grades 3–12.

Arrangements and Procedures:

Contact in advance; maximum 30 students with adult supervision; voluntary contribution.

Year-round; weekdays; 3 pm–6 pm; guided tour can be arranged at 11 am; visit takes 60 minutes; specialists; pamphlets.

City parking; rest rooms; no eating facilities.

S95 **Yivo Institute for Jewish Research**
1048 Fifth Avenue
New York 10028 212–535–6700

Archives that escaped destruction of pre-World War II Jewish life; books; newspapers; photographs.

Indicated for grade 12.

Arrangements and Procedures:

Contact Mrs. Fryshdorf, 1 week in advance; maximum 25 students with adult supervision; no charge.

Year-round; weekdays; 9:30 am–5:30 pm; visit takes 1–2 hours; specialists explain exhibits.

City parking; rest rooms; no eating facilities.

See also Asia House Gallery E132; Brooklyn Museum E10; Chinese Museum E133; Chinese Temple E134; The Cloisters E135; Hispanic Society of America E136; Jacques Marchais Center of Tibetan Arts E12; Jewish Museum E137; Metropolitan Museum of Art E14; United Nations E138; Center for Inter-American Relations–Art Gallery S3; China House Gallery S4; Riverside Museum S9

OUT OF TOWN HISTORIC SITES AND RESTORATIONS

See Home of Franklin D. Roosevelt E140; Museum Village of Smith's Clove E139; Mystic Seaport E143; Old Sturbridge Village E144; Sleepy Hollow Restorations E141; Vanderbilt Mansion National Historic Site E142

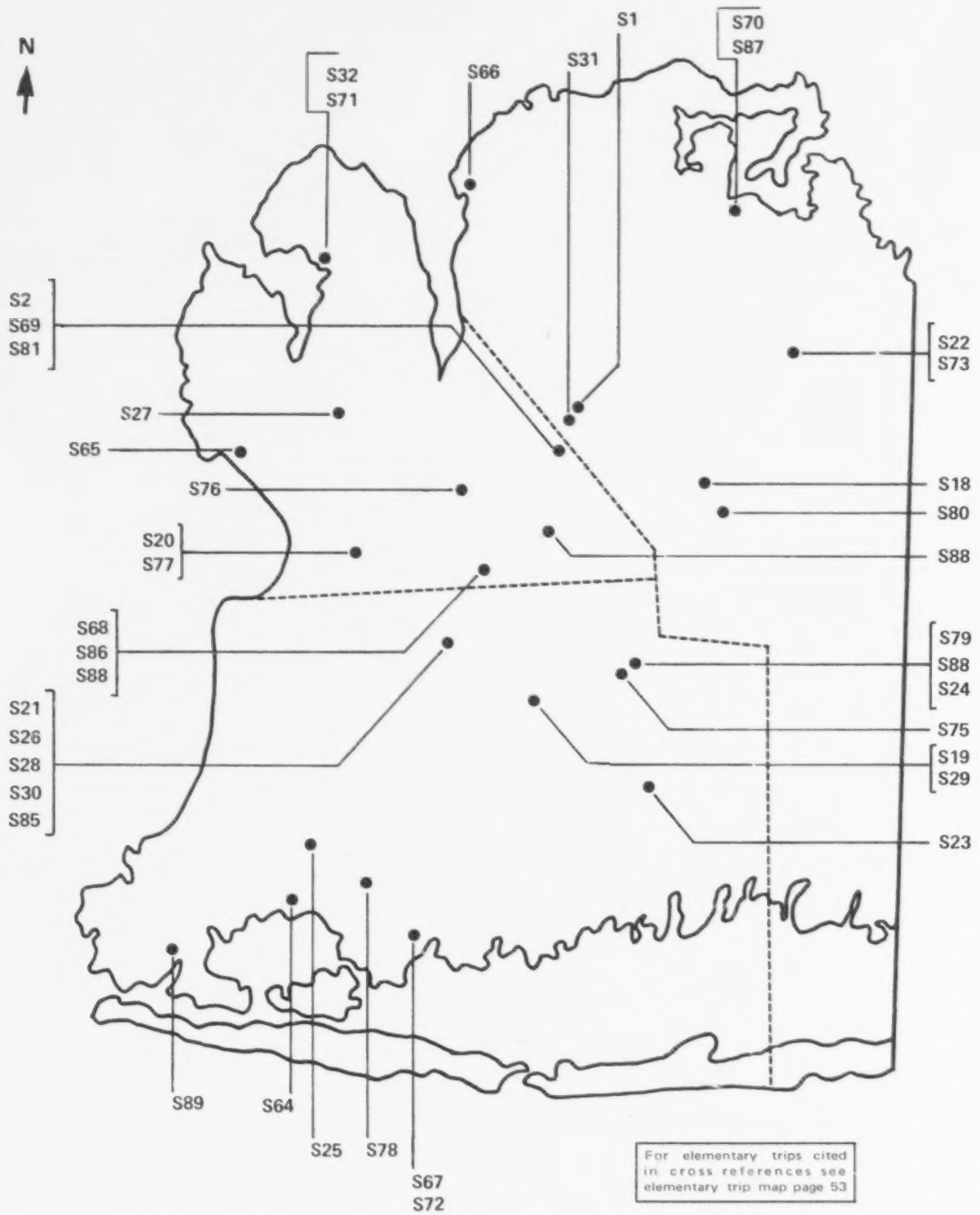
MUSEUMS

See Hudson River Museum and Andrus Space Transit Planetarium E81

TOURS

See Edison National Historic Site E82; Port Seatrain S62; United States Military Ocean Terminal S63

SECONDARY TRIPS—NASSAU COUNTY



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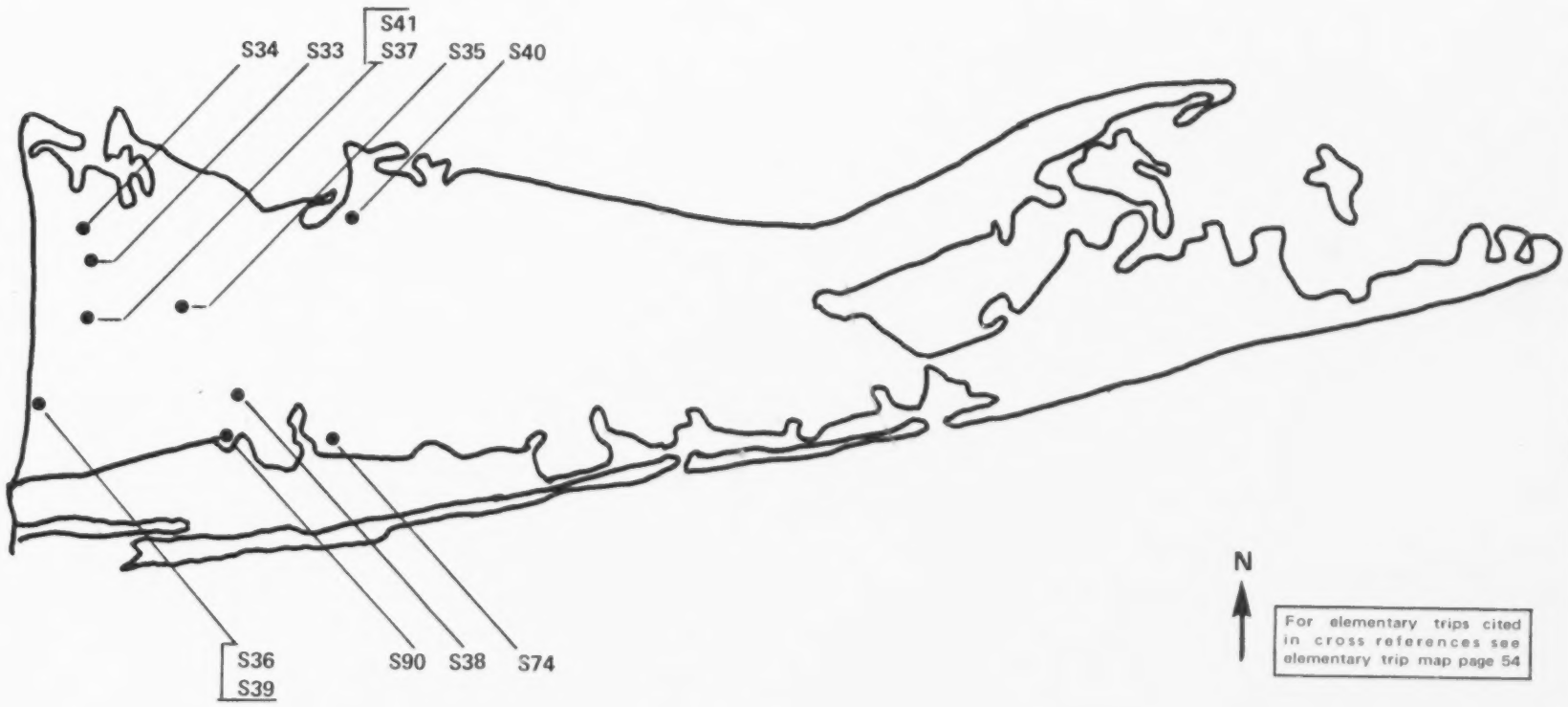
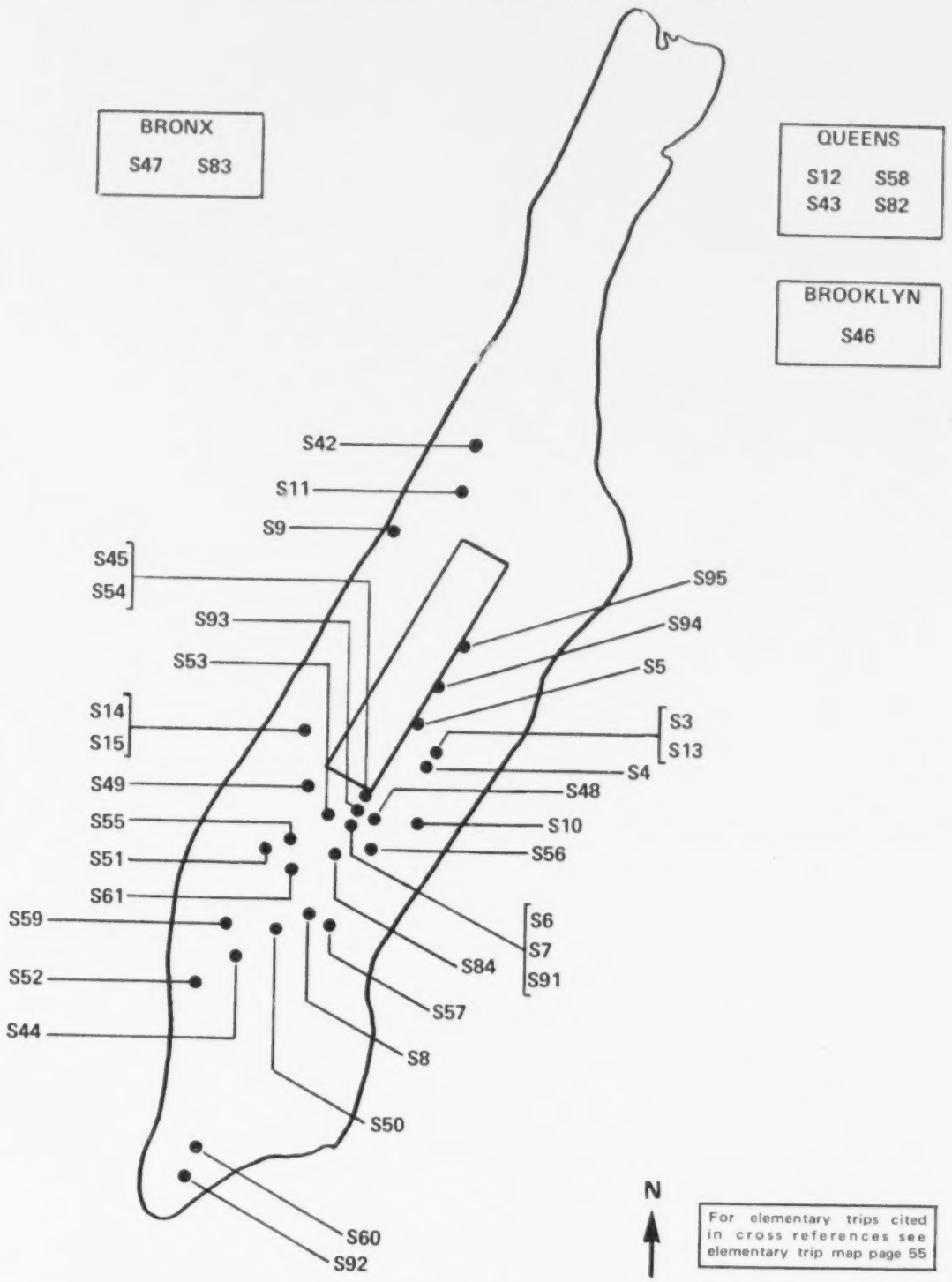


SECONDARY TRIPS – NEW YORK CITY



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